UTAH OIL AND GAS CONSERVATION COMMISSION

REMARKS: WELL LOG ____ ELECTRIC LOGS / X WATER SANDS ____ LOCATION INSPECTED ____ SUB. REPORT/abd. ____

DATE FILED: AUGUST 14, 1997

LAND: FEE & PATENTED STATE LEASE NO. PUBLIC LEASE NO. U-0116 INDIAN

DRILLING APPROVED: AUGUST 26, 1997

SPUDDED IN: 3/20/98, SI

COMPLETED: 4-17-98 ~~TOTD~~ PUT TO PRODUCING:

INITIAL PRODUCTION:

GRAVITY A.P.I.

GOR:

PRODUCING ZONES: 5586-5793'

TOTAL DEPTH: 5996'

WELL ELEVATION: 5501' GL, 5515' KB

DATE ABANDONED:

FIELD: RED WASH

UNIT: RED WASH

COUNTY: UINTAH

WELL NO. RWU 283 (43-18B) API NO. 43-047-32982

LOCATION 1899 FSL FT. FROM (N) (S) LINE, 708 FEL FT. FROM (E) (W) LINE. NE SE 1/4 – 1/4 SEC. 18

TWP.	RGE.	SEC.	OPERATOR	TWP.	RGE.	SEC.	OPERATOR
				7S	23E	18	CHEVRON USA

QUATERNARY	Star Point	Chinle	Molas
Alluvium	Wahweap	Shinarump	Manning Canyon
Lake beds	Masuk	Moenkopi	Mississippian
Pleistocene	Colorado	Sinbad	Humbug
Lake beds	Sego	PERMIAN	Brazer
TERTIARY	Buck Tongue	Kaibab	Pilot Shale
Pliocene	Castlegate	Coconino	Madison
Salt Lake	Mancos	Cutler	Leadville
Oligocene	Upper	Hoskinnini	Redwall
Norwood	Middle	DeChelly	DEVONIAN
Eocene	Lower	White Rim	Upper
Duchesne River	Emery	Organ Rock	Middle
Uinta	Blue Gate	Cedar Mesa	Lower
Bridger	Ferron	Halgaite Tongue	Ouray
Green River lower 5586	Frontier	Phosphoria	Elbert
5632	Dakota	Park City	McCracken
5727	Burro Canyon	Rico (Goodridge)	Aneth
5787	Cedar Mountain	Supai	Simonson Dolomite
	Buckhorn	Wolfcamp	Sevy Dolomite
	JURASSIC	CARBON I FEROUS	North Point
Wasatch	Morrison	Pennsylvanian	SILURIAN
Stone Cabin	Salt Wash	Oquirrh	Laketown Dolomite
Colton	San Rafeal Gr.	Weber	ORDOVICIAN
Flagstaff	Summerville	Morgan	Eureka Quartzite
North Horn	Bluff Sandstone	Hermosa	Pogonip Limestone
Almy	Curtis		CAMBRIAN
Paleocene	Entrada	Pardox	Lynch
Current Creek	Moab Tongue	Ismay	Bowman
North Horn	Carmel	Desert Creek	Tapeats
CRETACEOUS	Glen Canyon Gr.	Akah	Ophir
Montana	Navajo	Barker Creek	Tintic
Mesaverde	Kayenta		PRE - CAMBRIAN
Price River	Wingate	Cane Creek	
Blackhawk	TRIASSIC		

Form 3160-3
(December 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0136
Expires December 31, 1991

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

5. LEASE DESIGNATION AND SERIAL NO.: U-0116

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

1a. TYPE OF WORK: DRILL [X] DEEPEN [ ]

7. UNIT AGREEMENT NAME: RED WASH UNIT

b TYPE OF WELL: OIL WELL [ ] GAS WELL [ ] OTHER WATER INJECTION SINGLE ZONE [X] MULTIPLE ZONE [ ]

8. FARM OR LEASE NAME, WELL NO.: RWU #283 (43-18B)

2. NAME OF OPERATOR: CHEVRON USA PRODUCTION CO., INC.

9. API WELL NO.:

3. ADDRESS AND TELEPHONE NO.: 11002 EAST 17500 SOUTH, VERNAL, UT 84078-8526 (801) 781-4300

10. FIELD AND POOL, OR WILDCAT: RED WASH - GREEN RIVER

4. LOCATION OF WELL (*Report location clearly and in accordance with any State requirements*)*
At surface
1899' FSL, 708' FEL, NESE
SW NE
At proposed prod. zone
SAME

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA: SEC. 18-T7S-R23E, SLBM

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*: ~21 MILES FROM VERNAL, UT

12. COUNTY OR PARISH: UINTAH

13. STATE: UTAH

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any): 1899'

16. NO. OF ACRES IN LEASE: 1263

17. NO. OF ACRES ASSIGNED TO THIS WELL: NA

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.: 1776'

19. PROPOSED DEPTH: 5990'

20. ROTARY OR CABLE TOOLS: ROTARY

21. ELEVATIONS (Show whether DF, RT, GR, etc.): 5503' GL

22. APPROX. DATE WORK WILL START*: 10/1/97

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8" K-55	24#	360'	130 SX. CLASS G
7-7/8"	5-1/2" K-55	15.5#	5990'	650 SX. CLASS G

Chevron proposes to drill a new Class II ER water injector at the location above. Attachments:

Certified plat
Self certification statement
Thirteen point surface use plan
Eight point drilling plan

The required UIC Permit Application will be submitted to the EPA.

RECEIVED
AUG 14 1997
DIV. OF OIL, GAS & MINING

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED J. T. Conley TITLE Red Wash Asset Team Leader DATE 8-7-97

(This space for Federal or State office use)

PERMIT NO. 43-047-32982 APPROVAL DATE

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY John R. Baza TITLE Associate Director DATE 8/26/97

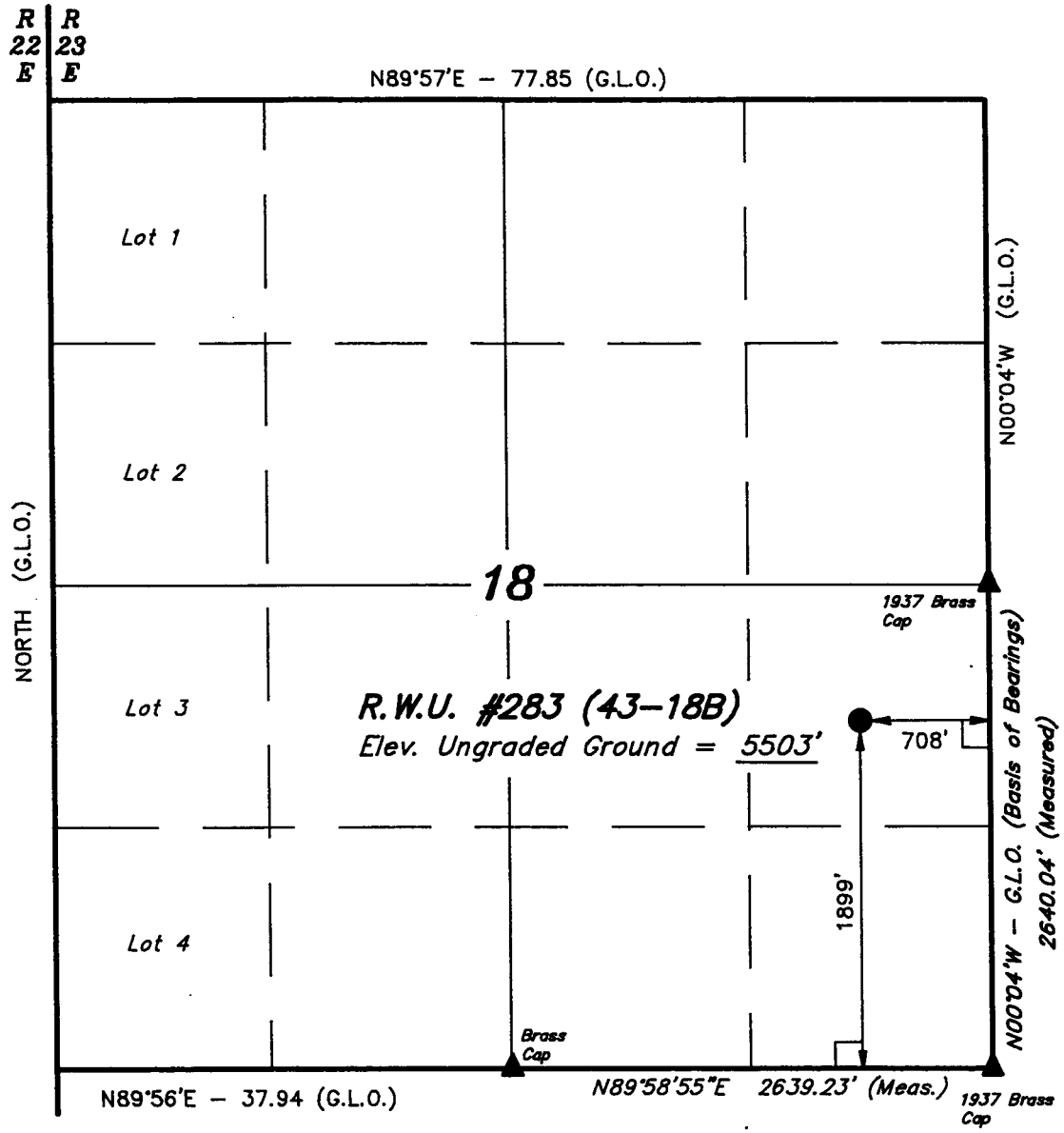
*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

CHEVRON U.S.A., INC.

Well location, R.W.U. #283 (43–18B), located as shown in the NE 1/4 SE 1/4 of Section 18, T7S, R23E, S.L.B.&M. Uintah County, Utah.

T7S, R23E, S.L.B.&M.



LEGEND:

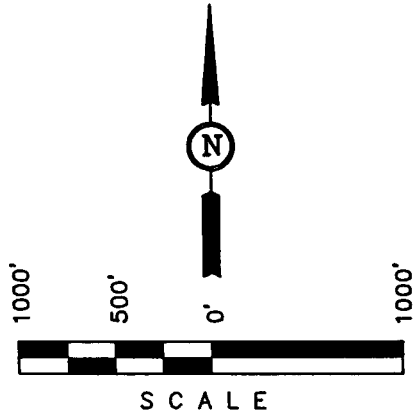
└ = 90° SYMBOL

● = PROPOSED WELL HEAD.

▲ = SECTION CORNERS LOCATED.

BASIS OF ELEVATION

TRIANGULATION STATION (BADLANDS) LOCATED IN THE SW 1/4 OF SECTION 17, T7S, R23E, S.L.B.&M. TAKEN FROM THE RED WASH, QUADRANGLE, UTAH, UINTAH COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5586 FEET.



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR
REGISTRATION NO. 161319
STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING
85 SOUTH 200 EAST – VERNAL, UTAH 84078
(801) 789–1017

SCALE: 1" = 1000'	DATE SURVEYED: 6–21–97	DATE DRAWN: 7–15–97
PARTY: B.B. D.R. C.B.T.	REFERENCES: G.L.O. PLAT	
WEATHER: WARM	FILE: CHEVRON U.S.A., INC.	

United States Department of the Interior
Bureau of Land Management
Vernal District Office
170 South 500 West
Vernal, UT 84078

SELF-CERTIFICATION STATEMENT

Be advised that Chevron USA Production Company is considered to be the operator of Red Wash Unit #283 (43-18B), NESE-Sec.18-T7S-R23E, Uintah County, Utah, and is responsible under the terms and conditions of the lease for the operations conducted on the leased lands.

Bond coverage for this well is provided by Nationwide Bond #U-89-75-81-34 (Standard Oil Co. of California and its wholly owned subsidiary Chevron USA Production Co., as co-principals) via surety consent as provided for in 43 CFR 3104.2.

Sincerely,

J T Conley

J. T. Conley
Red Wash Area Team Leader

DATE: 8-7-97

CHEVRON USA PRODUCTION CO.

RED WASH UNIT #283 (43-18B)
1899' FSL & 708' FEL
NESE-S18-T7S-R23E, SLB&M
UINTAH COUNTY, UTAH

THIRTEEN POINT SURFACE USE PLAN

1. EXISTING ROADS:

A. See Topographic Map A. There are no plans to change, alter or improve upon any existing state or county road.

B. See Topographic Map A. Proposed access road begins approximately 19.4 miles from Vernal, UT.

2. ACCESS ROADS TO BE CONSTRUCTED OR RECONSTRUCTED:

A. See Topographic Maps A and B. An access road approximately 0.1 mile in length is proposed.

3. LOCATION OF EXISTING WELLS WITHIN ONE MILE:

A. See Topographic Map B.

4. LOCATION OF EXISTING OR PROPOSED FACILITIES IF WELL IS PRODUCTIVE:

A. See Topographic Map B.

B. Injection monitoring and metering equipment will be installed on location. A buried injection flowline connected to existing facilities will be installed. A right-of-way application was previously submitted for this flowline.

C. Disturbed areas no longer needed for operations will be graded back to as near original state as possible. Drainage channels will be returned to original state and the areas will be reseeded as prescribed by the BLM.

5. LOCATION AND TYPE OF WATER SUPPLY:

A. Red Wash Unit fresh water supply, Application #A17791, Water Right Number 49-2153. Water will be trucked ~6 miles from existing Red Wash Unit facilities.

RWU #283 (43-18B) - THIRTEEN POINT SURFACE USE PLAN

6. CONSTRUCTION MATERIALS:

A. Native dirt and gravel will be used as construction materials.

7. METHODS FOR HANDLING WASTE DISPOSAL:

A. A reserve pit will be constructed to contain excess drilling fluids.

B. Excess reserve pit fluid will be disposed of via evaporation, percolation at pit abandonment or haul-off to a commercial disposal facility.

C. Drill cuttings will be caught and settled in the reserve pit and buried when the pit is backfilled.

D. Commercial service will provide portable toilets and haul-off to a commercial disposal facility.

E. Trash will be stored in trash containers and hauled to commercial or municipal facility for disposal.

F. It is not anticipated that any salt or chemicals will need to be disposed of. If required, disposal will be by commercial disposal facility.

G. In the event fluids are produced, any oil will be transferred to existing facilities within Red Wash Unit and sold. Any water will be transferred to Red Wash Unit disposal facilities.

H. Hazardous chemicals 10,000lb. of which will most likely be used, produced, stored, transported or disposed of in association with the proposed action of drilling, completing and producing this well: We anticipate that none of the hazardous chemicals in quantities of 10,000 lb. or more will be associated with these operations.

I. Extremely hazardous substances threshold quantities of which will be used, produced, stored, transported or disposed of in association with the proposed action of drilling, completing and producing this well: We anticipate that none of the extremely hazardous substances in threshold quantities per 40 CFR 355 will be associated with these operations.

8. ANCILLARY FACILITIES:

A. None.

RWU #283 (43-18B) - THIRTEEN POINT SURFACE USE PLAN

9. WELLSITE LAYOUT:

A. See Figures 1 and 2.

B. Burn pit will not be lined.

C. Access to the well pad will be as shown on Topographic Map B.

10. PLAN FOR RESTORATION OF SURFACE:

A. All surface areas not required for injection operations will be graded to as near original condition as possible and contoured to maintain possible erosion to a minimum. Any rock encountered in excavation will be disposed of beneath backfill to return surface to its present appearance and provide soil for seed growth.

B. The topsoil will be evenly distributed over the disturbed areas. Reseeding will be performed as directed by the BLM.

C. Pits that would present a hazard to wildlife or livestock will be backfilled when the rig is released and removed.

D. Completion of the well is planned during 1997. Rehabilitation will commence following completion of the well. If the wellsite is to be abandoned, all disturbed areas will be recontoured to the natural contour as soon as possible.

11. SURFACE OWNERSHIP:

A. The wellsite, access roads and production facilities are constructed on federal lands. The operator shall contact the BLM office at (801) 789-1362 between 24 and 48 hours prior to construction activities.

12. OTHER INFORMATION:

A. The well is located in steep hilly terrain. Vegetation consists of sagebrush and natural grasses around the location. The soil is a poorly developed, semi-arid, thin topsoil layer over the Uintah Formation.

B. Surface use activities other than the oil and gas well facilities consist of grazing.

C. There are no occupied dwellings near the wellsite.

D. Archeological clearance has been recommended per Senco-Phenix Report SPUT-200, dated 6/25/97.

E. Paleontological clearance was recommended by Coyote Basin Paleontology, 6/30/97.

13. COMPANY REPRESENTATIVE:

Mr. J. T. Conley
11002 East 17500 South
Vernal, UT 84078
(801) 781-4301

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and, that the work associated with the operations proposed herein will be performed by Chevron USA Production Co., Inc. and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

8-7-97
Date

J. T. Conley
Red Wash Asset Team Leader

CHEVRON USA PRODUCTION CO.

RED WASH UNIT #283
1899' FSL, 708' FEL
NESE-SEC. 18-T7S-R23E
UINTAH COUNTY, UTAH

EIGHT POINT DRILLING PLAN

1. ESTIMATED FORMATION TOPS:

Uinta	Surface
Green River	~3188'
Oil Shale	~3918'
Green River "F"	~4598'

2. ESTIMATED DEPTHS OF TOP AND BOTTOM OF WATER, OIL, GAS, OR OTHER MINERAL BEARING FORMATIONS AND PLAN FOR PROTECTION:

Deepest Fresh Water: ~3188', top of Green River Formation. The Green River Formation is classified by the EPA as an exempt aquifer in the vicinity of the proposed well.

Oil Shale: Oil shale is expected between the depths of ~3918-3990'.

Oil and Gas: Gas possible in the Uinta Formation. Oil and gas expected in intervals of the Green River Formation from ~4598' to TD.

Protection of oil, gas, water, or other mineral bearing formations: Protection shall be accomplished by cementing surface casing and production casing back to the surface or to depths sufficient to isolate required formations. Please refer to casing and cement information for protection plans.

3. PRESSURE CONTROL EQUIPMENT:

For drilling surface hole to 360': No BOP equipment required.

For drilling through 8.625" surface casing to TD:

Maximum anticipated surface pressure is <1300 psi.

RWU #283 (43-18B) - EIGHT POINT DRILLING PLAN

Pressure control equipment shall be in accordance with BLM minimum standards for 2000 psi equiment.

A casing head with an 11", 3000 psi flange will be screwed or welded onto the 8.625" surface casing.

BOP stack will consist of a double gate and annular preventer. The double gate will be equipped with pipe rams on bottom and blind rams on top. The choke and kill lines will be connected to outlets between the bottom and top rams, utilizing either the ram body outlet or a drilling spool with side outlets. The BOP stack will be 9" or 11" bore, 2000 or 3000 psi working pressure. The choke and kill lines will be 2" or 3" bore, 2000 or 3000 psi working pressure. Please refer to attached schematics.

A rotating head may be used while drilling below surface casing for control of gas cut mud.

Test procedure and frequency shall be in accordance with BLM minimum standards for 2000 psi equipment.

4. SUPPLEMENTAL DRILLING EQUIPMENT AND CASING INFORMATION:

Casing Information: All casing will be new pipe and tested to 1500 psi.

Casing	Weight	Grade	Conn.	Stage	Centralizers
8.625"	24.0 #/ft.	K-55	STC	No	*
5.5"	15.5 #/ft.	K-55	LTC	No	As Needed

* Centralizers will be placed 10' above shoe, on 1st and 3rd collars.

Casing	Cement
8.625"	Oilfield type cement circulated in place. Class "G" single slurry mixed to 15.6 ppg, yield = 1.19 cf/sx. Fill to surface with 160 cf (130 sx) calculated. Tail plug used. Allowed to set under pressure.

5.500" Lead/Tail oilfield type cement circulated in place.
Tail slurry: Class G + gilsonite and additives as required, mixed to 14.8 ppg, yield = 1.34 cf/sx. Fill to 4200' (±300' above top of Lower Green River).
Lead slurry: Class "G" + extender and additives as required, mixed to 11.0 ppg, yield = 3.82 cf/sx. Fill to surface. Tail plug used. Allowed to set under pressure.

Drilling Equipment:

Drilling of the surface hole will be with a small rotary rig equipped to use air, fluid or a combination of both. Hole size will be in the 12 1/4" - 11" range at the discretion of the drilling contractor.

Drilling below surface casing will be with conventional rotary equipment utilizing fresh water mud. Hole size will be 7 7/8".

A rotating head may be used while drilling below surface casing for control of gas cut mud.

5. CIRCULATING MEDIUM, MUD TYPE, MINIMUM QUANTITIES OF WEIGHT MATERIAL, AND MONITORING EQUIPMENT:

Surface hole will be drilled with air, air/mist, foam, or mud depending on hole conditions. Drilling below surface casing will be with water based drilling fluids consisting primarily of fresh water, bentonite, lignite, caustic, lime, soda ash, and polymers. No chromates will be used. It is not intended to use oil in the mud, however, in the event it is used, oil concentration will be less than 4% by volume. Maximum anticipated mud weight is ±9.5 ppg.

No minimum quantity of weight material will be required to be kept on location.

PVT/Flow Show will be used from base of surface casing to TD.

Gas detector will be used from surface casing depth to TD.

6. ANTICIPATED TYPE AND AMOUNT OF TESTING, LOGGING, AND CORING:

Logging: (Base of surface casing to TD)

Mud logging - 4500' to TD
GR-SP-Induction
Neutron-Density
MRI

Coring:

None planned.

Testing:

None planned.

7. **EXPECTED BOTTOM HOLE PRESSURE AND ANY ANTICIPATED ABNORMAL PRESSURE, TEMPERATURES, OR OTHER HAZARDS (H_2S, STEAM, ETC.) AND ASSOCIATED CONTINGENCY PLANS:**

Maximum expected BHP:	~2595 psi.
Maximum expected BHT:	~140° F.

No other abnormal hazards are anticipated and no contingency plans are required.

8. **OTHER:**

None.

D. CLASS III CHOKE MANIFOLD

The Class III choke manifold is suitable for Class III workovers and drilling operations. The Standard Class III choke manifold is shown in Figure 11J.8 below. Specific design features of the Class III manifold include:

1. The manifold is attached to a drilling spool or the top ram preventer side outlet.

2. The minimun internal diameter is 2" (nominal) for outlets, flanges, valves and lines.

3. Includes two steel gate valves in the choke line at the drilling spool outlet. The inside choke line valve may be remotely controlled (HCR).

4. Includes two manually adjustable chokes which are installed on both side of the manifold cross. Steel isolation gate valves are installed between both chokes and the cross, and also downstream of both chokes.

5. Includes a blooey line which runs straight through the cross and is isolated by a steel gate valve.

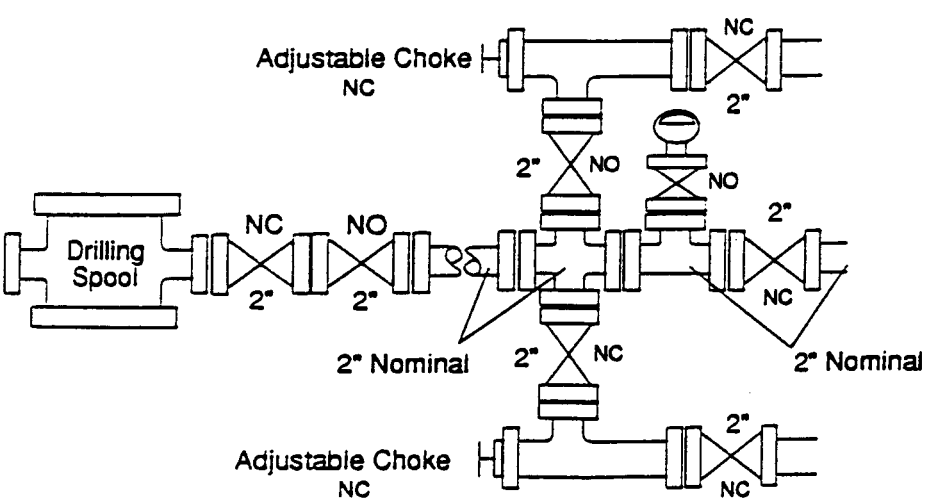
6. Includes a valve isolated pressure gauge suitable for drilling service which can display the casing pressure within view of the choke operator.

7. Returns through the choke manifold must be divertible through a mud-gas seperator and then be routed to either the shale shaker or the reserve pit through a buffer tank or manifold arrangement.

8. If the choke manifold is remote from the wellhead, a third master valve should be installed immediately upstream of the manifold cross.

Figure 11J.8 - Class III Choke Manifold

NC = Normally Closed
NO = Normally Open



D. TYPE "B" KILL LINE — CLASS III, IV , AND V WELLS

The type B kill line described below in Figure 11J.11 is the minimum recommended hookup for installation on all Class III, Class IV and Class V wells. Specific design features of the type B kill line include:

1. The preferred kill line connection to the well is at the drilling spool, however, a preventer side outlet may be used when space restrictions exclude the use of a drilling spool. In all cases, the kill line must be installed below the uppermost blind rams so the well can be pumped into with no pipe in the hole.

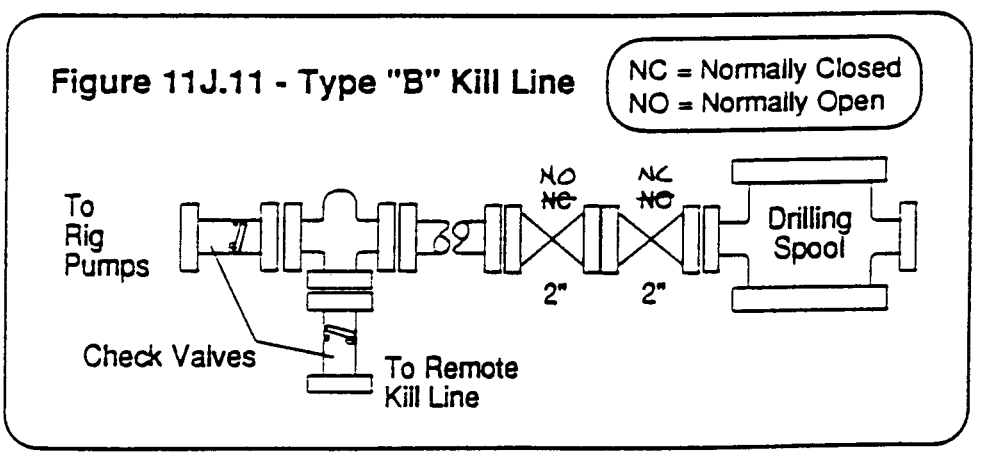
2 The arrangement includes two - 2" (nominal) gate valves installed at the drilling spool and an upstream fluid cross. The outside valve may be hydraulically remote controlled.

3. Two pump-in lines should be attached to the fluid cross. The **primary kill line** should be routed to the rig standpipe where it can be manifolded to the rig pumps. The **remote kill line** should be run to a safe location away from the rig or to the rig cementing unit. The remote kill line should have a loose end connection for rigging-up a high pressure pumping unit.

4. Both the primary kill line and the remote kill line must include a 2" check valve which is in working condition while drilling. If a check valve is crippled for testing purposes, the flapper or ball must be re-installed and tested before drilling resumes.

5. The primary kill line must include a pressure gauge which can display the pump-in pressure on the rig floor.

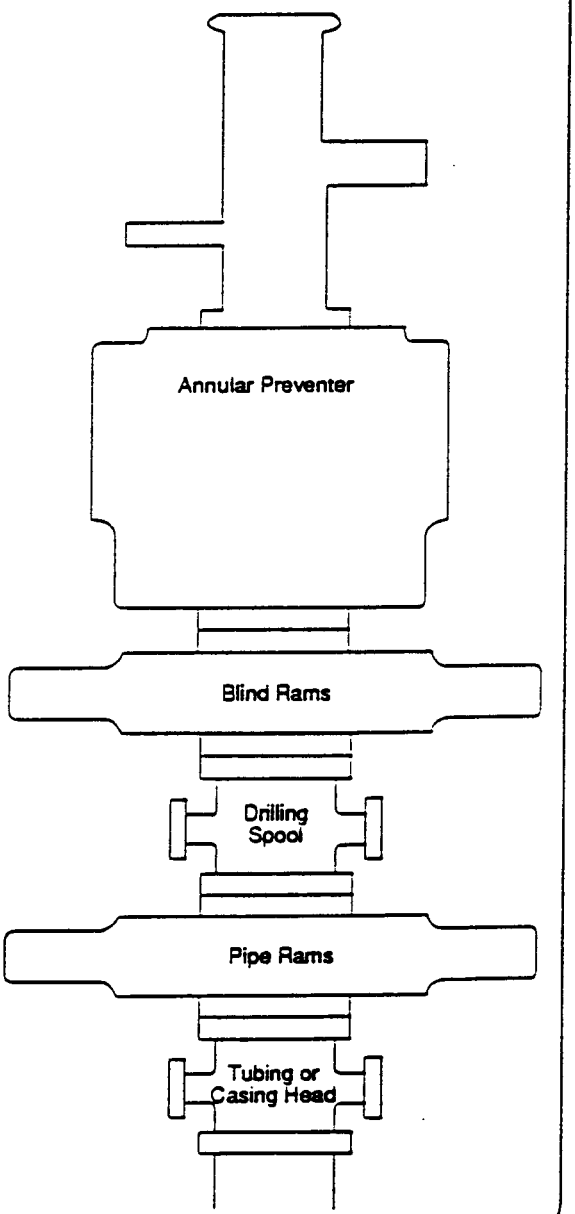
6. Any lines which are installed at the wellhead are designated as "**emergency kill lines**" and should only be used if the primary and remote kill lines are inoperable.



E. CLASS III BLOWOUT PREVENTER STACK:

The Class III preventer stack is designed for drilling or workover operations. It is composed of a single hydraulically operated annular preventer on top, then a blind ram preventer, a drilling spool, and a single pipe ram preventer on bottom. The choke and kill lines are installed onto the drilling spool and must have a minimum internal diameter of 2". All side outlets on the preventers or drilling spool must be flanged, studded, or clamped. An emergency kill line may be installed on the wellhead. A double ram preventer should only be used when space limitations make it necessary to remove the drilling spool. In these instances, the choke manifold should be connected to a flanged outlet between the preventer rams only. In this hookup, the pipe rams are considered master rams only, and cannot be used to routinely circulate out a kick. The Class III blowout preventer stack is shown to the right in Figure 11J.4.

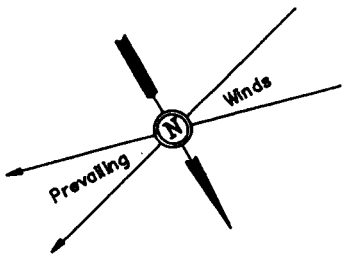
Figure 11J.4
Class III Blowout Preventer Stack



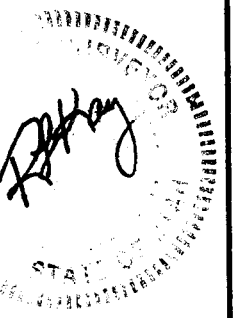
CHEVRON USA., INC.

LOCATION LAYOUT FOR

R.W.U. #283 (43–18B)
SECTION 18, T7S, R23E, S.L.B.&M.
1899' FSL 708' FEL



SCALE: 1" = 50'
DATE: 7–15–97
Drawn By: C.B.T.



Proposed Access Road

F–1.7' El. 498.8'

Small Drainage

F–3.6' El. 496.9'

El. 495.5' F–5.0'

Sta. 3+10

Topsoil Stockpile

DATA

140'

CATWALK

PIPE RACKS

C–2.4' El. 502.9'

LOC

RIG

DOG HOUSE

100'

Sta. 1+70

El. 499.6' F–0.9'

El. 506.6' C–14.1' (Btm. Pit)

El. 504.0' C–3.5'

NOTE:
FLARE PIT IS TO BE LOCATED A MINIMUM OF 100' FROM THE WELL HEAD.

Flare Pit

APPROX. TOP OF CUT SLOPE

60'

10'

40'

RESERVE PIT
8' DEEP

PIT CAPACITY WITH 2' OF FREEBOARD = 4,120 Bbls.

Sta. 0+92

100'

10' WIDE BENCH

1 1/2:1 (TYP.)

MUD TANKS

WATER

TRAILER

PUMP

MUD SHED

TOILET

HOPPER

FUEL

POWER

TOOLS

FUEL

TRASH

Reserve Pit Backfill & Spoils Stockpile

El. 504.1' C–11.6' (Btm. Pit)

El. 501.7' C–1.2'

80'

170'

STORAGE TANK

APPROX. TOE OF FILL SLOPE

Sta. 0+00

El. 494.4' F–6.1'

F–0.5' El. 500.0'

F–2.2' El. 498.3'

Elev. Ungraded Ground at Location Stake = 5502.9'

Elev. Graded Ground at Location Stake = 5500.5'

FIGURE #1

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East • Vernal, Utah 84078 • (801) 789–1017

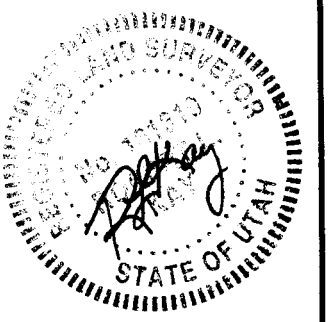
CHEVRON USA., INC.

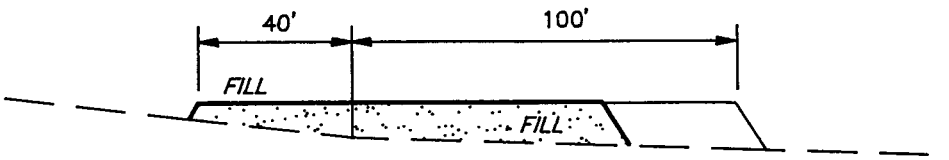
TYPICAL CROSS SECTIONS FOR

R.W.U. #283 (43-18B)
SECTION 18, T7S, R23E, S.L.B.&M.
1899' FSL 708' FEL

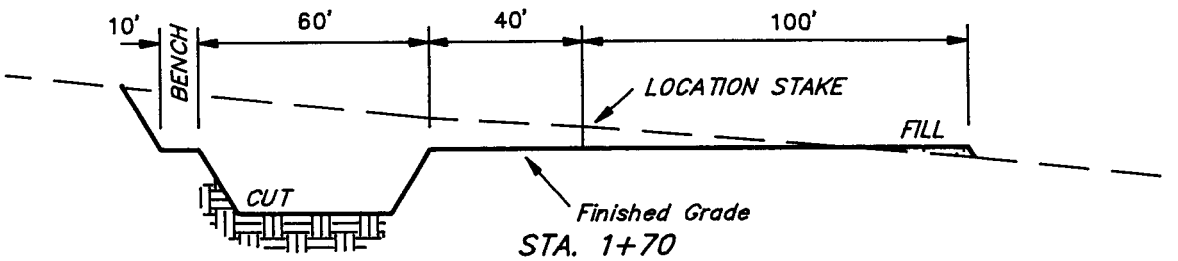
1" = 20'
X-Section Scale
1" = 50'

DATE: 7-15-97
Drawn By: C.B.T.

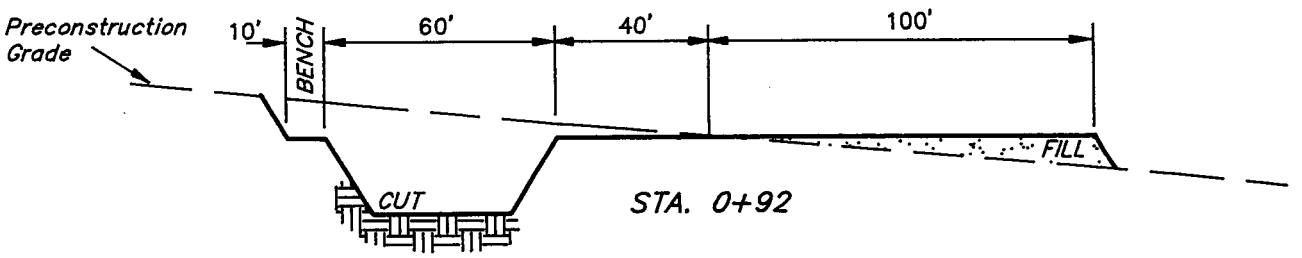




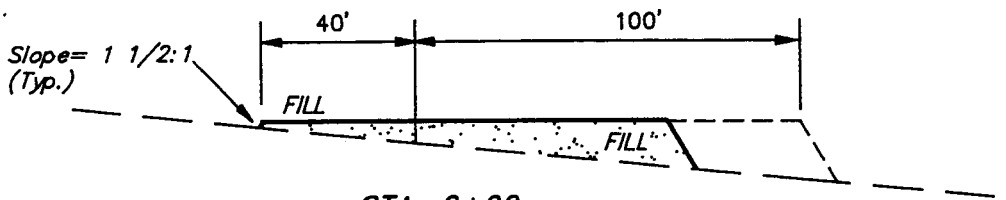
STA. 3+10



STA. 1+70



STA. 0+92



STA. 0+00

FIGURE #2

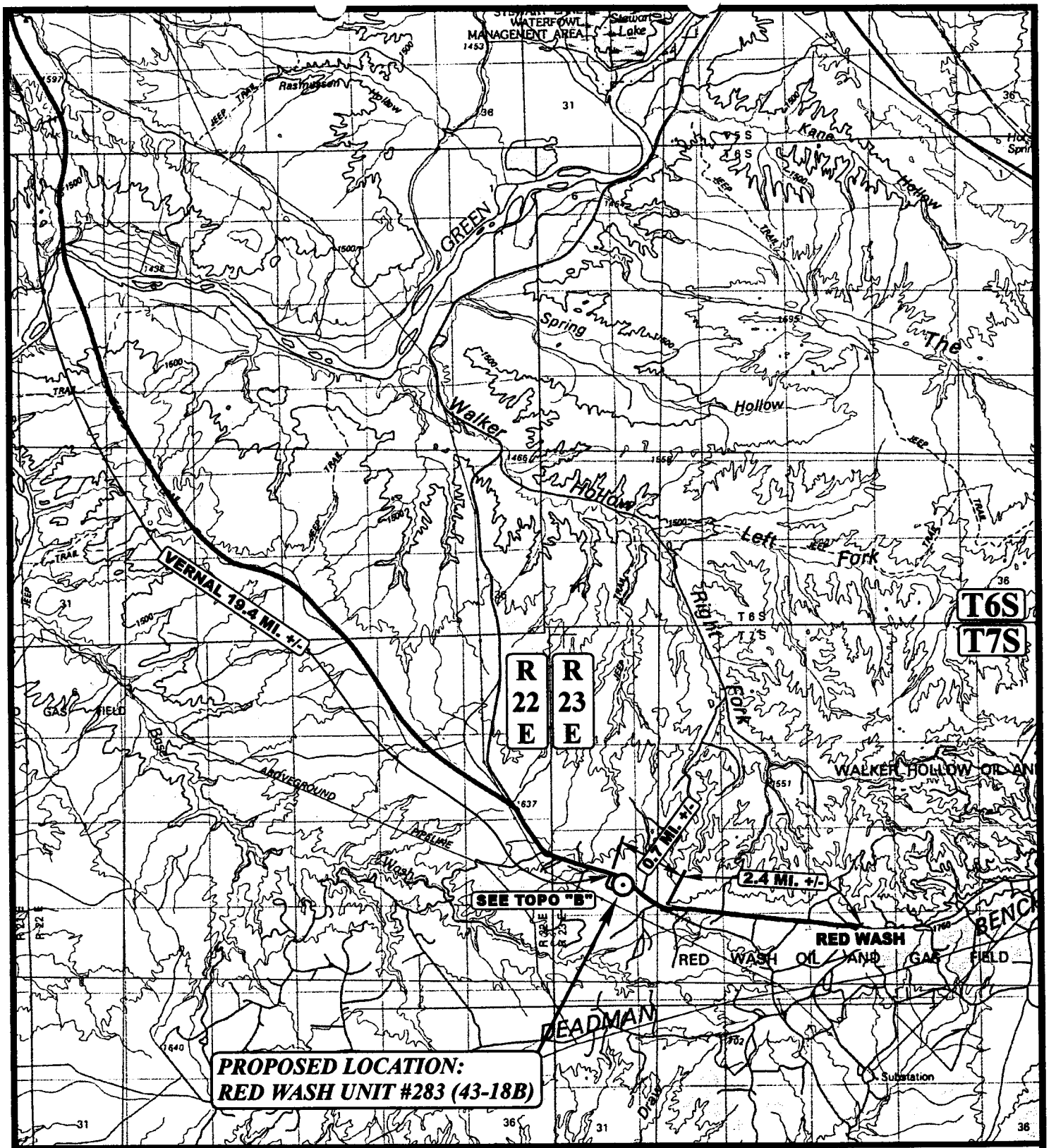
APPROXIMATE YARDAGES

CUT

(6") Topsoil Stripping	= 910	Cu. Yds.
Remaining Location	= 3,350	Cu. Yds.
TOTAL CUT	= 4,260	CU.YDS.
FILL	= 2,580	CU.YDS.

EXCESS MATERIAL AFTER 5% COMPACTION	= 1,540	Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	= 1,540	Cu. Yds.
EXCESS CUT MATERIAL	= 0	Cu. Yds.

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East • Vernal, Utah 84078 • (801) 789-1017



LEGEND:

⊙ PROPOSED LOCATION

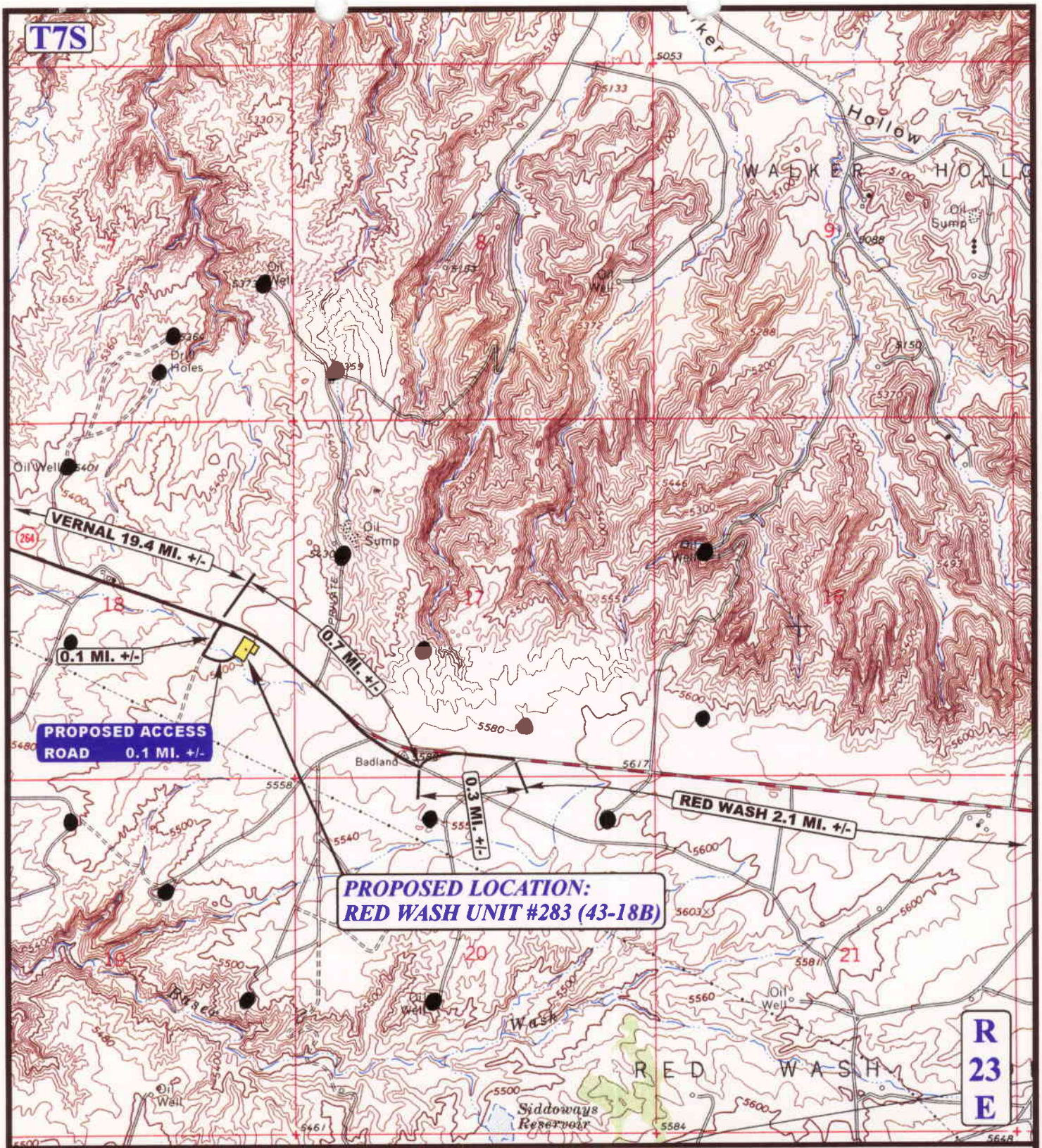
N

CHEVRON U.S.A., INC.

RED WASH UNIT #283 (43-18B)
SECTION 18, T7S, R23E, 6th P.M.
1899' FSL 708' FEL

Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(801) 789-1017 * FAX (801) 789-1813
Email: uels@easilink.com

TOPOGRAPHIC MAP	7 MONTH	2 DAY	97 YEAR	A TOPO
SCALE: 1 : 100,000	DRAWN BY: D.COX	REVISED: 00-00-00		



LEGEND:

PROPOSED ACCESS ROAD

EXISTING ROAD

N

CHEVRON U.S.A., INC.

RED WASH UNIT #283 (43-18B)
SECTION 18, T7S, R23E, 6th P.M.
1899' FSL 708' FEL

Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(801) 789-1017 * FAX (801) 789-1813
Email: uels@easilink.com

TOPOGRAPHIC MAP	7 MONTH	2 DAY	97 YEAR	B TOPO
SCALE: 1" = 2000'	DRAWN BY: D.COX	REVISED: 00-00-00		

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 08/14/97

API NO. ASSIGNED: 43-047-32982

WELL NAME: RED WASH UNIT #283
OPERATOR: CHEVRON USA (N0210)

PROPOSED LOCATION:
NESE 18 - T07S - R23E
SURFACE: 1899-FSL-0708-FEL
BOTTOM: 1899-FSL-0708-FEL
UINTAH COUNTY
RED WASH FIELD (665)

LEASE TYPE: FED
LEASE NUMBER: U - 0116

PROPOSED PRODUCING FORMATION: GRRV

INSPECT LOCATION BY: / /		
TECH REVIEW	Initials	Date
Engineering		
Geology		
Surface		

RECEIVED AND/OR REVIEWED:

✓ Plat
✓ Bond: Federal [✓] State [] Fee []
(Number U89-75-81-34)
N Potash (Y/N)
N Oil shale (Y/N)
✓ Water permit
(Number 49-2153)
N RDCC Review (Y/N)
(Date:)

LOCATION AND SITING:

✓ R649-2-3. Unit: RED WASH
___ R649-3-2. General.
___ R649-3-3. Exception.
___ Drilling Unit.
Board Cause no:
Date:

COMMENTS:

STIPULATIONS:

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 08/14/97

API NO. ASSIGNED: 43-047-32982

WELL NAME: RED WASH UNIT # U-0116
OPERATOR: CHEVRON USA (

PROPOSED LOCATION:
NESE 18 - T07S - R23E
SURFACE: 1899-FSL-0708-FE
BOTTOM: 1899-FSL-0708-FE
UINTAH COUNTY
RED WASH FIELD (665)

LEASE TYPE: FED
LEASE NUMBER: U - 0116

PROPOSED PRODUCING FORMATION: GRRV

T LOCATION BY: / /

EVIEW	Initials	Date
Engineering		
Geology		
Surface		

RECEIVED AND/OR REVIEWED:

✓ Plat
✓ Bond: Federal [✓] State [] Fee []
(Number U89-75-81-34)
N Potash (Y/N)
N Oil shale (Y/N)
✓ Water permit
(Number 49-2153)
N RDCC Review (Y/N)
(Date:)

LOCATION AND SITING:

✓ R649-2-3. Unit: RED WASH
___ R649-3-2. General.
___ R649-3-3. Exception.
___ Drilling Unit.
Board Cause no:
Date:

COMMENTS:

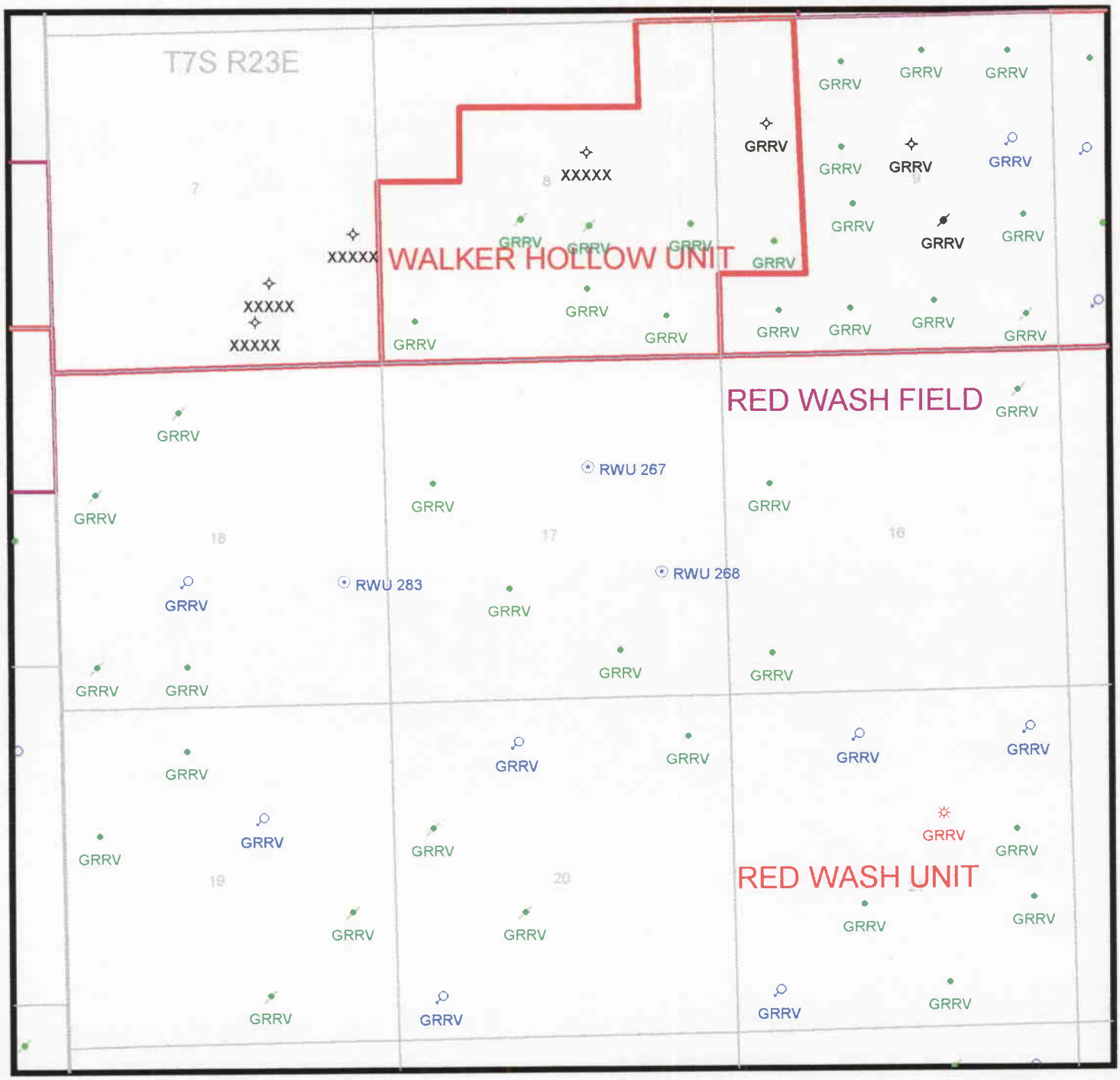
STIPULATIONS:

OPERATOR: CHEVRON (N0210)

FIELD: RED WASH (665)

SEC, TWP, RNG: 17 & 18, T7S, R23E

COUNTY: UINTAH UAC: R649-2-3 RED WASH



PREPARED:
DATE: 19-AUG-97

Approved. OMB No. 2040-0042. Expires 3-31-95

Form 4 UIC

EPA

ED STATES ENVIRONMENTAL PROTECTION AGENCY

UNDERGROUND INJECTION CONTROL PERMIT APPLICATION

(Collected under the authority of the Safe Drinking Water Act, Section 1421, 1422, 40 CFR 144)

I. EPA ID NUMBER: U | T/A | C

READ ATTACHED INSTRUCTION BEFORE STARTING

FOR OFFICAL USE ONLY

Application approved mo day year	Date Received mo day year	Permit / Well Number	Comments

II. NAME AND ADDRESS OF FACILITY

Facility Name: RWU #283 (43-18B)

Street Address: 11002 EAST 17500 SOUTH

City: VERNAL | State: UT | ZIP Code: 84078-8526

III. OWNER / OPERATOR AND ADDRESS

Owner / Operator Name: CHEVRON USA PRODUCTION CO., INC

Street Address: 11002 EAST 17500 SOUTH

City: VERNAL | State: UT | ZIP Code: 84078-8526

IV OWNERSHIP STATUS (*Mark 'x'*)

☒ A. Federal ☐ B. State ☐ C. Private ☐ D. Public ☐ E. Other (*Explain*)

V. SIC CODES

1311

VI. WELL STATUS (Mark 'x')

☐ A. Date Started (mo / day / year)

☐ B. Modification / Conversion ☒ C. Proposed

CHEVRON PROPOSES TO DRILL A NEW CLASS II ER WATER INJECTOR AT THIS LOCATION.

VII. TYPE OF PERMIT REQUESTED (*Mark 'x' and specify if required*)

☒ A. Individual ☐ B. Area

Number of Existing wells	Number of Proposed wells	Name(s) of field(s) or project(s)
1	1	RWU #283 (43-18B)

VII. CLASS AND TYPE OF WELL (*see reverse*)

A. Class(es) (enter code(s))	B. Type(s) (enter code(s))	C. If class is "other" or type is code 'x', explain	D. Number of wells per type (if area permit)
II	ER		

IX. LOCATION OF WELL(S) OR APPROXIMATE CENTER OF FIELD OR PROJECT

C	A. Latitude Deg	Min	Sec	B. Longitude Deg	Min	Sec	Township and Range Twsp	Range	Sec	¼ Sec	Feet from	Line	Feet from	Line
							7S	23E	18	NESE	1899	FSL	708	FEL

X. INDIAN LANDS (*Mark 'x'*) ☒ A. Yes ☐ B. No

XI. ATTACHMENTS

(Compete the following questions on a separate sheet(s) and number accordingly; see instructions)
FOR CLASSES I, II, III (and other classes) complete and submit on separate sheet(s) Attachments A - U (pp 2-6) as appropriate. Attach maps where required. List attachments by letter which are applicable and are included with your application: A, B, C, E, G, H, I, J, K, L, M, O, P, Q, R, S, T, U

XII. CERTIFICATION

I certify under the penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisionment. (Ref. 40 CFR 144.32)

A. Name and Title (*Type or Print*)

John T Conley

Red Wash Asset Team Leader

B. Phone No. (*Area Code and No.*)

(801) 781-4300

C. Signature: J T Conley

D. Date Signed: 8-14-97

RECEIVED
AUG 21 1997
DIV. OF OIL, GAS & MINING

EPA Form 7520-6 (2-84

Fc Approved. OMB No. 2040-0042. Expires 3-31-95

Form 4 UIC

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

UNDERGROUND INJECTION CONTROL PERMIT APPLICATION

(Collected under the authority of the Safe Drinking Water Act, Section 1421, 1422, 40 CFR 144)

I. EPA ID NUMBER: U | T/A | C

READ ATTACHED INSTRUCTION BEFORE STARTING

FOR OFFICAL USE ONLY

Application approved mo day year	Date Received mo day year	Permit / Well Number	Comments

II. NAME AND ADDRESS OF FACILITY

Facility Name: RWU #283 (43-18B)

Street Address: 11002 EAST 17500 SOUTH

City: VERNAL | State: UT | ZIP Code: 84078-8526

III. OWNER / OPERATOR AND ADDRESS

Owner / Operator Name: CHEVRON USA PRODUCTION CO., INC

Street Address: 11002 EAST 17500 SOUTH

City: VERNAL | State: UT | ZIP Code: 84078-8526

IV OWNERSHIP STATUS (*Mark 'x'*)

☒ A. Federal ☐ B. State ☐ C. Private ☐ D. Public ☐ E. Other (*Explain*)

V. SIC CODES

1311

VI. WELL STATUS (Mark 'x')

☐ A. Date Started (mo / day / year)

☐ B. Modification / Conversion ☒ C. Proposed

CHEVRON PROPOSES TO DRILL A NEW CLASS II ER WATER INJECTOR AT THIS LOCATION.

VII. TYPE OF PERMIT REQUESTED (*Mark 'x' and specify if required*)

☒ A. Individual ☐ B. Area

Number of Existing wells: 1

Number of Proposed wells: 1

Name(s) of field(s) or project(s): **RWU #283 (43-18B)**

VII. CLASS AND TYPE OF WELL (*see reverse*)

A. Class(es) (*enter code(s)*)	B. Type(s) (*enter code(s)*)	C. If class is "other" or type is code 'x', explain	D. Number of wells per type (if area permit)
II	ER		

IX. LOCATION OF WELL(S) OR APPROXIMATE CENTER OF FIELD OR PROJECT

C	A. Latitude Deg	Min	Sec	B. Longitude Deg	Min	Sec	Township and Range Twsp	Range	Sec	¼ Sec	Feet from	Line	Feet from	Line
							7S	23E	18	NESE	1899	FSL	708	FEL

X. INDIAN LANDS (*Mark 'x'*)

☒ A. Yes ☐ B. No

XI. ATTACHMENTS

(Compete the following questions on a separate sheet(s) and number accordingly; see instructions)

FOR CLASSES I, II, III (and other classes) complete and submit on separate sheet(s) Attachments A - U (pp 2-6) as appropriate. Attach maps where required. List attachments by letter which are applicable and are included with your application: A, B, C, E, G, H, I, J, K, L, M, O, P, Q, R, S, T, U

XII. CERTIFICATION

I certify under the penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisionment. (Ref. 40 CFR 144.32)

A. Name and Title (*Type or Print*)

John T Conley

Red Wash Asset Team Leader

B. Phone No. (*Area Code and No.*)

(801) 781-4300

C. Signature: John T Conley

D. Date Signed: 8-14-97

RECEIVED
AUG 21 1997
DIV. OF OIL, GAS & MINING

EPA Form 7520-6 (2-84

UNDERGROUND INJECTION CONTROL
PERMIT APPLICATION
CLASS II ENHANCED RECOVERY WELL

RWU #283 (43-18B)
NESE-S18-T7S-R23E

RED WASH UNIT
UINTAH COUNTY, UTAH

A. AREA OF REVIEW METHOD:

1. The Area of Review (AOR) is a fixed radius 0.25 mile from the well.

B. MAPS OF WELLS/AREA AND AREA OF REVIEW:

1. Attachment B is a topographic map showing the AOR for RWU #283.

C. CORRECTIVE ACTION PLAN AND WELL DATA:

1. **RWU #283**: Attachment C contains all pertinent information on the proposed new well. Assuming expectations are met, no corrective action should be required.

2. The AOR contains no other wells.

D. MAPS AND CROSS SECTIONS OF USDWs:

1. Does not apply to Class II wells.

E. NAME AND DEPTH OF USDWs (CLASS II):

Depths to formation tops and geologic markers are estimated as follows for the proposed well in the AOR:

FORMATION OR MARKER	RWU #283
Uinta Formation	Surface
Green River Formation	~3188'
Oil Shale Top	~3918'
Oil Shale Base	~4100'
Target Injection Interval	~5583-5810'

1. There are no known USDW's or water wells in the AOR.

2. In the AOR, State of Utah Department of Natural Resources Technical Report #92 (USGS Open File Report 87-394), titled "BASE OF MODERATELY SALINE GROUND WATER IN THE UINTA BASIN, UTAH", it is indicated that any USDW's in the area of RWU #283 are approximately at sea level within the Green River Formation. The Green River Formation is classified by the EPA as an exempt aquifer in the AOR.

3. The target injection interval is expected to be between the depths of ~5583' and ~5810'. Actual depths and perforated intervals will be selected based on actual openhole logs and resulting geologic correlations. The proposed logging program is listed in Attachment C. At virgin conditions, the injection interval was very near the irreducible water saturation and produced only minor amounts of formation water. This fact is demonstrated by an 80 acre offset drilled in 1956 which continues to produce water-free oil after 31 years. Current water production from the Red Wash area is recycled injection water (9100 mg/l TDS, per 2/4/97 sample, Attachment E) which has broken through from offset injectors.

F. MAPS AND CROSS SECTIONS OF GEOLOGIC STRUCTURE OF AREA:

1. Does not apply to Class II wells.

G. GEOLOGIC DATA ON INJECTION AND CONFINING ZONES (CLASS II):

Expected lithologic descriptions apply to the following anticipated injection and confining zones:

INTERVAL	RWU #283
Target Interval	
Depths	~5583-5810'
Thickness	~227'
Confining Zone	
Depths	~5483-5583'
Thickness	~100'

Confining Zone to Green River Top	
Depths	~3188-5483'
Thickness	2295'

1. The target injection interval is expected to be sandstone interbedded with shales and tight carbonates.

2. The confining zone directly above the target injection interval is expected to be shale with interbedded tight mudstones and carbonates. Additional intervening strata between the top of the confining zone and the top of the Green River Formation consists of tightly interbedded shales, carbonate mudstones, siltstones, and sandy limestones to limy sandstones.

3. A fracture gradient of 0.78 psi/ft has been established for the Red Wash Unit. Based on a fracture gradient of 0.78 psi/ft, ~5583' depth to the top perforation and a fluid specific gravity of 1.0000, maximum surface injection pressure will be ~1937 psi.
4.

H. OPERATING DATA:

1. The daily water injection rate will vary with reservoir conditions and offset production rates, all of which change over time. Initial injection rates may approach 1000 BWPD while building reservoir pressure. A target rate of less than 500 BWPD is expected within six months, based on anticipated offset production.

2. Maximum injection pressure will initially approach fracture pressure in order to build reservoir pressure as quickly as possible. Average injection pressures approaching 1700-1800 psi are expected within six months.

3. Annulus fluid will be produced water containing corrosion inhibitor to prevent corrosion of tubulars. A diesel freeze blanket will be circulated from surface to below frost level at completion to prevent freezing and possible equipment failure during winter months.

4. Does not apply to Class II wells.

5. Injected fluid consists of fresh water from the Red Wash Unit water supply system. The proposed well will be connected to the 18B Injection Station, which is completely

separate from the produced oil and water processing system. Fresh make-up water is required for material balance reasons to replace oil and gas removed from the reservoir. The water is treated with scale and corrosion inhibitors before entering the distribution system.

6. Attachment H is a copy of a water analysis report submitted by Chevron to the EPA for 1997 annual reporting purposes. The fluid analyzed was water leaving the Red Wash 18B Injection Station for distribution and injection in a small area of the Red Wash Unit. Since the proposed well will be connected to the 18B Injection Station system, Attachment H is representative of the injected fluid for the proposed well. **Note** - According to Core Laboratories, measured specific gravity is less than 1.0000 due to organic materials in water from the Green River. A specific gravity of 1.0000 was assumed for the calculation of maximum surface injection pressure.

7. Does not apply to Class II wells.

I. FORMATION TESTING PROGRAM:

1. A fracture gradient of 0.78 psi/ft has been established for the Red Wash Unit.

2. Static reservoir pressure will be obtained via bottom hole pressure bomb following completion of the well and before commencing injection.

3. No fluid sampling of the completed interval will be attempted.

J. STIMULATION PROGRAM:

1. At present, planned stimulation consists of isolating perforated intervals individually between tools, breaking down and establishing a pump in rate.

2. If pump in rates are insufficient, stimulation treatments using acid or hydraulic fracturing may be required.

K. INJECTION PROCEDURES:

1. With the exception of normal wellhead equipment, valves and monitoring equipment, no on-site equipment such as tanks and pumps will be involved. Water will be supplied to the well by an injection flowline connected with the existing 18B Station distribution network.

2. Injection facilities are designed and operated to provide continuous injection at rates and pressures consistent with operating, engineering and regulatory requirements. Uninterrupted operation is planned.

L. CONSTRUCTION PROCEDURES:

1. Construction will start after permit and flowline right-of-way approval. Construction is expected to take approximately 4 days.

2. Attachment L details construction procedures. Chevron intends to install selective injection equipment (SIE) which will straddle perforations and allow vertical control of injected volumes at some point in the future.

3. The proposed annulus fluid is produced water containing corrosion inhibitor to prevent corrosion of tubulars. A diesel freeze blanket will be circulated from surface to below frost level to prevent freezing and possible equipment failure during winter months. Following a successful mechanical integrity test, static reservoir pressure will be obtained. The well will commence injection following flowline installation and EPA authorization to inject.

M. CONSTRUCTION DETAILS:

1. Attachment M shows proposed construction details of the well.

N. CHANGES IN INJECTED FLUID:

1. Does not apply to Class II wells.

O. PLANS FOR WELL FAILURES:

1. Upon discovery of a mechanical integrity failure, the well will be immediately shut-in and evaluated. If repairs and a return to injection cannot be justified, the well will be plugged and abandoned.

P. MONITORING PROGRAM:

1. The well will be equipped for monitoring injection pressure, tubing/casing annulus pressure, instantaneous and cumulative injected volume, and to allow sampling of the injected fluid.

2. There will be weekly observations of rates and pressures, with values recorded monthly for reporting purposes.

3. Fluid sampling for central injection facilities serving injectors at the Red Wash Unit, including the proposed well, will be conducted on an annual basis.

Q. PLUGGING AND ABANDONMENT PLAN:

1. Attachment Q contains EPA Form 7520-14, "Plugging and Abandonment Plan".

2. Attachment Q contains the plugging and abandonment procedure and schematic.

3. The proposed P&A plan is consistent with P&A procedures used by Chevron throughout the Gypsum Hills/Wonsits Valley and Red Wash areas.

R. NECESSARY RESOURCES:

1. Financial responsibility for the abandonment of the proposed well is addressed under Chevron's Financial Assurance Statement for Class II operations on Indian Lands.

S. AQUIFER EXEMPTIONS:

1. The Green River Formation is classified as an exempt aquifer by the EPA in the AOR.

T. EXISTING EPA PERMITS:

1. Chevron holds numerous UIC permits for Class II wells in the United States. Attachment T contains listings of Class II wells operated from this office.

U. DESCRIPTION OF BUSINESS:

RWU #283 (43-18B) UIC PERMIT APPLICATION

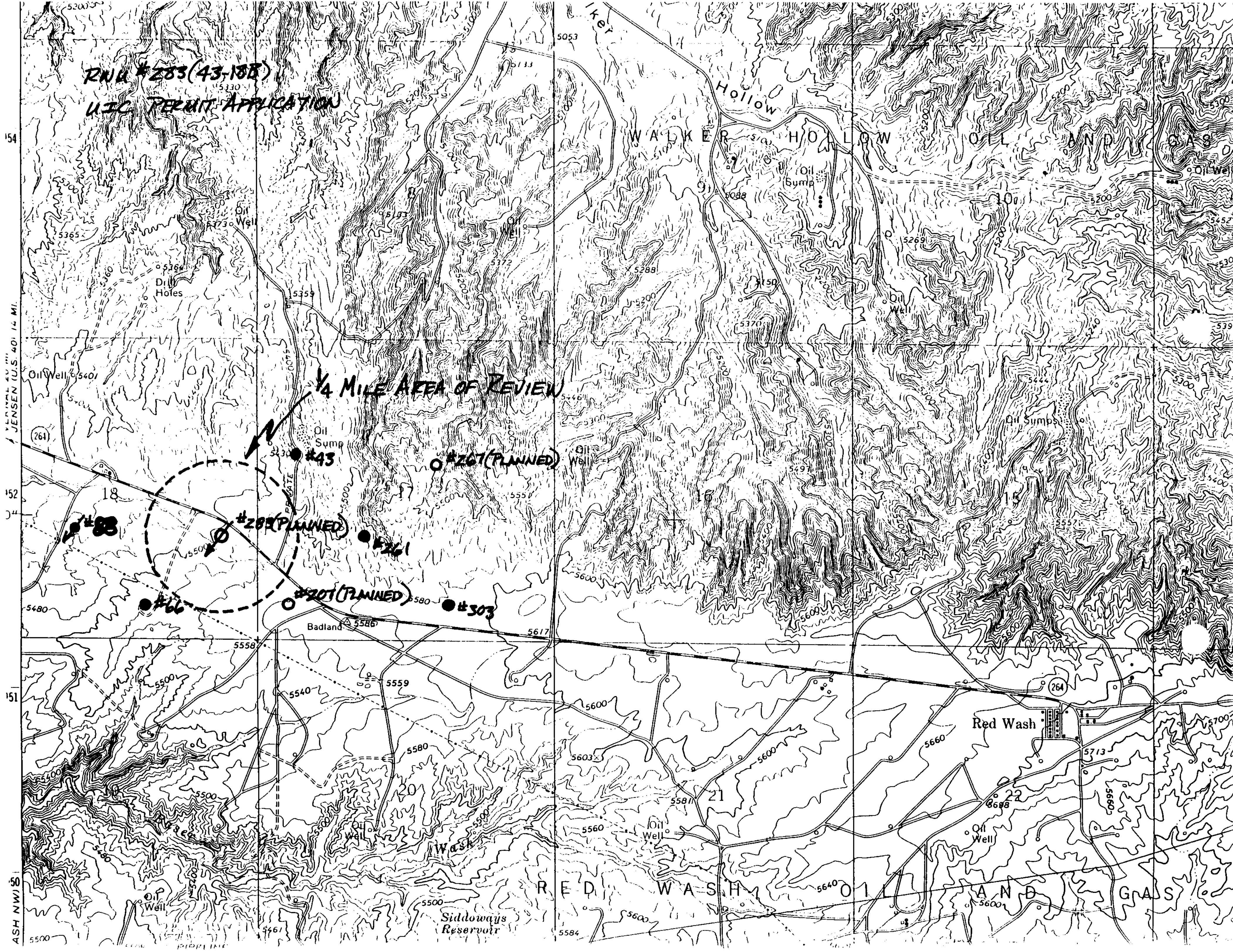
1. Chevron USA Production Co. is the domestic exploration and production company of Chevron Corporation, a major international oil company.

Chevron USA Production
Red Wash Unit
Uintah County, UT
08/14/97

RWU #283 (43-18B)
Uintah County, Utah

UIC Permit Application

Attachment B


RWU #283(43-18B)
U.I.C. PERMIT APPLICATION
1/4 MILE AREA OF REVIEW
#43
#267 (PLANNED)
#283 (PLANNED)
#261
#66
#207 (PLANNED)
#303
Hollow
WALKER HOLLOW OIL AND GAS
Oil Sump
Oil Well
Drill Holes
Oil Sumps
Badland
Red Wash
RED WASH OIL AND GAS
Siddoways Reservoir
Wash
JENSEN (U.S. 40)
264

RWU #283 (43-18B)
Uintah County, Utah

UIC Permit Application

Attachment C

Form 3160-3
(December 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0136
Expires December 31, 1991

5. LEASE DESIGNATION AND SERIAL NO.
U-0116

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK
DRILL [X] DEEPEN [ ]

b TYPE OF WELL
OIL WELL [ ] GAS WELL [ ] OTHER WATER INJECTION SINGLE ZONE [X] MULTIPLE ZONE [ ]

7. UNIT AGREEMENT NAME
RED WASH UNIT

8. FARM OR LEASE NAME, WELL NO.
RWU #283 (43-18B)

2. NAME OF OPERATOR
CHEVRON USA PRODUCTION CO., INC.

9. API WELL NO.

3. ADDRESS AND TELEPHONE NO.
11002 EAST 17500 SOUTH, VERNAL, UT 84078-8526 (801) 781-4300

10. FIELD AND POOL, OR WILDCAT
RED WASH - GREEN RIVER

4. LOCATION OF WELL (*Report location clearly and in accordance with any State requirements)**
At surface
1899' FSL, 708' FEL, NESE
At proposed prod. zone
SAME

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
SEC. 18-T7S-R23E, SLBM

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
~21 MILES FROM VERNAL, UT

12. COUNTY OR PARISH
UINTAH

13. STATE
UTAH

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)
1899'

16. NO. OF ACRES IN LEASE
1263

17. NO. OF ACRES ASSIGNED TO THIS WELL
NA

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
1776'

19. PROPOSED DEPTH
5990'

20. ROTARY OR CABLE TOOLS
ROTARY

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
5503' GL

22. APPROX. DATE WORK WILL START*
10/1/97

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8" K-55	24#	360'	130 SX. CLASS G
7-7/8"	5-1/2" K-55	15.5#	5990'	650 SX. CLASS G

Chevron proposes to drill a new Class II ER water injector at the location above. Attachments:

Certified plat
Self certification statement
Thirteen point surface use plan
Eight point drilling plan

The required UIC Permit Application will be submitted to the EPA.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.
SIGNED [signature] TITLE Red Wash Asset Team Leader DATE 8-7-97

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY _____ TITLE _____ DATE _____

*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

United States Department of the Interior
Bureau of Land Management
Vernal District Office
170 South 500 West
Vernal, UT 84078

SELF-CERTIFICATION STATEMENT

Be advised that Chevron USA Production Company is considered to be the operator of Red Wash Unit #283 (43-18B), NESE-Sec.18-T7S-R23E, Uintah County, Utah, and is responsible under the terms and conditions of the lease for the operations conducted on the leased lands.

Bond coverage for this well is provided by Nationwide Bond #U-89-75-81-34 (Standard Oil Co. of California and its wholly owned subsidiary Chevron USA Production Co., as co-principals) via surety consent as provided for in 43 CFR 3104.2.

Sincerely,

J. T. Conley

J. T. Conley
Red Wash Area Team Leader

DATE: 8-7-97

CHEVRON USA PRODUCTION CO.

RED WASH UNIT #283 (43-18B)
1899' FSL & 708' FEL
NESE-S18-T7S-R23E, SLB&M
UINTAH COUNTY, UTAH

THIRTEEN POINT SURFACE USE PLAN

1. EXISTING ROADS:

A. See Topographic Map A. There are no plans to change, alter or improve upon any existing state or county road.

B. See Topographic Map A. Proposed access road begins approximately 19.4 miles from Vernal, UT.

2. ACCESS ROADS TO BE CONSTRUCTED OR RECONSTRUCTED:

A. See Topographic Maps A and B. An access road approximately 0.1 mile in length is proposed.

3. LOCATION OF EXISTING WELLS WITHIN ONE MILE:

A. See Topographic Map B.

4. LOCATION OF EXISTING OR PROPOSED FACILITIES IF WELL IS PRODUCTIVE:

A. See Topographic Map B.

B. Injection monitoring and metering equipment will be installed on location. A buried injection flowline connected to existing facilities will be installed. A right-of-way application was previously submitted for this flowline.

C. Disturbed areas no longer needed for operations will be graded back to as near original state as possible. Drainage channels will be returned to original state and the areas will be reseeded as prescribed by the BLM.

5. LOCATION AND TYPE OF WATER SUPPLY:

A. Red Wash Unit fresh water supply, Application #A17791, Water Right Number 49-2153. Water will be trucked ~6 miles from existing Red Wash Unit facilities.

RWU #283 (43-18B) - THIRTEEN POINT SURFACE USE PLAN

6. CONSTRUCTION MATERIALS:

A. Native dirt and gravel will be used as construction materials.

7. METHODS FOR HANDLING WASTE DISPOSAL:

A. A reserve pit will be constructed to contain excess drilling fluids.

B. Excess reserve pit fluid will be disposed of via evaporation, percolation at pit abandonment or haul-off to a commercial disposal facility.

C. Drill cuttings will be caught and settled in the reserve pit and buried when the pit is backfilled.

D. Commercial service will provide portable toilets and haul-off to a commercial disposal facility.

E. Trash will be stored in trash containers and hauled to commercial or municipal facility for disposal.

F. It is not anticipated that any salt or chemicals will need to be disposed of. If required, disposal will be by commercial disposal facility.

G. In the event fluids are produced, any oil will be transferred to existing facilities within Red Wash Unit and sold. Any water will be transferred to Red Wash Unit disposal facilities.

H. Hazardous chemicals 10,000lb. of which will most likely be used, produced, stored, transported or disposed of in association with the proposed action of drilling, completing and producing this well: We anticipate that none of the hazardous chemicals in quantities of 10,000 lb. or more will be associated with these operations.

I. Extremely hazardous substances threshold quantities of which will be used, produced, stored, transported or disposed of in association with the proposed action of drilling, completing and producing this well: We anticipate that none of the extremely hazardous substances in threshold quantities per 40 CFR 355 will be associated with these operations.

8. ANCILLARY FACILITIES:

A. None.

RWU #283 (43-18B) - THIRTEEN POINT SURFACE USE PLAN

9. WELLSITE LAYOUT:

A. See Figures 1 and 2.

B. Burn pit will not be lined.

C. Access to the well pad will be as shown on Topographic Map B.

10. PLAN FOR RESTORATION OF SURFACE:

A. All surface areas not required for injection operations will be graded to as near original condition as possible and contoured to maintain possible erosion to a minimum. Any rock encountered in excavation will be disposed of beneath backfill to return surface to its present appearance and provide soil for seed growth.

B. The topsoil will be evenly distributed over the disturbed areas. Reseeding will be performed as directed by the BLM.

C. Pits that would present a hazard to wildlife or livestock will be backfilled when the rig is released and removed.

D. Completion of the well is planned during 1997. Rehabilitation will commence following completion of the well. If the wellsite is to be abandoned, all disturbed areas will be recontoured to the natural contour as soon as possible.

11. SURFACE OWNERSHIP:

A. The wellsite, access roads and production facilities are constructed on federal lands. The operator shall contact the BLM office at (801) 789-1362 between 24 and 48 hours prior to construction activities.

12. OTHER INFORMATION:

A. The well is located in steep hilly terrain. Vegetation consists of sagebrush and natural grasses around the location. The soil is a poorly developed, semi-arid, thin topsoil layer over the Uintah Formation.

B. Surface use activities other than the oil and gas well facilities consist of grazing.

C. There are no occupied dwellings near the wellsite.

D. Archeological clearance has been recommended per Senco-Phenix Report SPUT-200, dated 6/25/97.

E. Paleontological clearance was recommended by Coyote Basin Paleontology, 6/30/97.

13. COMPANY REPRESENTATIVE:

Mr. J. T. Conley
11002 East 17500 South
Vernal, UT 84078
(801) 781-4301

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and, that the work associated with the operations proposed herein will be performed by Chevron USA Production Co., Inc. and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

8-7-97
Date

J. T. Conley
Red Wash Asset Team Leader

CHEVRON USA PRODUCTION CO.

RED WASH UNIT #283
1899' FSL, 708' FEL
NESE-SEC. 18-T7S-R23E
UINTAH COUNTY, UTAH

EIGHT POINT DRILLING PLAN

1. ESTIMATED FORMATION TOPS:

Uinta	Surface
Green River	~3188'
Oil Shale	~3918'
Green River "F"	~4598'

2. ESTIMATED DEPTHS OF TOP AND BOTTOM OF WATER, OIL, GAS, OR OTHER MINERAL BEARING FORMATIONS AND PLAN FOR PROTECTION:

Deepest Fresh Water: ~3188', top of Green River Formation. The Green River Formation is classified by the EPA as an exempt aquifer in the vicinity of the proposed well.

Oil Shale: Oil shale is expected between the depths of ~3918-3990'.

Oil and Gas: Gas possible in the Uinta Formation. Oil and gas expected in intervals of the Green River Formation from ~4598' to TD.

Protection of oil, gas, water, or other mineral bearing formations: Protection shall be accomplished by cementing surface casing and production casing back to the surface or to depths sufficient to isolate required formations. Please refer to casing and cement information for protection plans.

3. PRESSURE CONTROL EQUIPMENT:

For drilling surface hole to 360': No BOP equipment required.

For drilling through 8.625" surface casing to TD:

Maximum anticipated surface pressure is <1300 psi.

Pressure control equipment shall be in accordance with BLM minimum standards for 2000 psi equiment.

A casing head with an 11", 3000 psi flange will be screwed or welded onto the 8.625" surface casing.

BOP stack will consist of a double gate and annular preventer. The double gate will be equipped with pipe rams on bottom and blind rams on top. The choke and kill lines will be connected to outlets between the bottom and top rams, utilizing either the ram body outlet or a drilling spool with side outlets. The BOP stack will be 9" or 11" bore, 2000 or 3000 psi working pressure. The choke and kill lines will be 2" or 3" bore, 2000 or 3000 psi working pressure. Please refer to attached schematics.

A rotating head may be used while drilling below surface casing for control of gas cut mud.

Test procedure and frequency shall be in accordance with BLM minimum standards for 2000 psi equipment.

4. SUPPLEMENTAL DRILLING EQUIPMENT AND CASING INFORMATION:

Casing Information: All casing will be new pipe and tested to 1500 psi.

Casing	Weight	Grade	Conn.	Stage	Centralizers
8.625"	24.0 #/ft.	K-55	STC	No	*
5.5"	15.5 #/ft.	K-55	LTC	No	As Needed

* Centralizers will be placed 10' above shoe, on 1st and 3rd collars.

Casing	Cement
8.625"	Oilfield type cement circulated in place. Class "G" single slurry mixed to 15.6 ppg, yield = 1.19 cf/sx. Fill to surface with 160 cf (130 sx) calculated. Tail plug used. Allowed to set under pressure.

5.500"	Lead/Tail oilfield type cement circulated in place. Tail slurry: Class G + gilsonite and additives as required, mixed to 14.8 ppg, yield = 1.34 cf/sx. Fill to 4200' (±300' above top of Lower Green River). Lead slurry: Class "G" + extender and additives as required, mixed to 11.0 ppg, yield = 3.82 cf/sx. Fill to surface. Tail plug used. Allowed to set under pressure.

Drilling Equipment:

Drilling of the surface hole will be with a small rotary rig equipped to use air, fluid or a combination of both. Hole size will be in the 12 1/4" - 11" range at the discretion of the drilling contractor.

Drilling below surface casing will be with conventional rotary equipment utilizing fresh water mud. Hole size will be 7 7/8".

A rotating head may be used while drilling below surface casing for control of gas cut mud.

5. CIRCULATING MEDIUM, MUD TYPE, MINIMUM QUANTITIES OF WEIGHT MATERIAL, AND MONITORING EQUIPMENT:

Surface hole will be drilled with air, air/mist, foam, or mud depending on hole conditions. Drilling below surface casing will be with water based drilling fluids consisting primarily of fresh water, bentonite, lignite, caustic, lime, soda ash, and polymers. No chromates will be used. It is not intended to use oil in the mud, however, in the event it is used, oil concentration will be less than 4% by volume. Maximum anticipated mud weight is ±9.5 ppg.

No minimum quantity of weight material will be required to be kept on location.

PVT/Flow Show will be used from base of surface casing to TD.

Gas detector will be used from surface casing depth to TD.

6. ANTICIPATED TYPE AND AMOUNT OF TESTING, LOGGING, AND CORING:

Logging: (Base of surface casing to TD)

Mud logging - 4500' to TD
GR-SP-Induction
Neutron-Density
MRI

Coring:

None planned.

Testing:

None planned.

7. EXPECTED BOTTOM HOLE PRESSURE AND ANY ANTICIPATED ABNORMAL PRESSURE, TEMPERATURES, OR OTHER HAZARDS (H_2S, STEAM, ETC.) AND ASSOCIATED CONTINGENCY PLANS:

Maximum expected BHP:	~2595 psi.
Maximum expected BHT:	~140° F.

No other abnormal hazards are anticipated and no contingency plans are required.

8. OTHER:

None.

D. CLASS III CHOKE MANIFOLD

The Class III choke manifold is suitable for Class III workovers and drilling operations. The Standard Class III choke manifold is shown in Figure 11J.8 below. Specific design features of the Class III manifold include:

1. The manifold is attached to a drilling spool or the top ram preventer side outlet.

2. The minimun internal diameter is 2" (nominal) for outlets, flanges, valves and lines.

3. Includes two steel gate valves in the choke line at the drilling spool outlet. The inside choke line valve may be remotely controlled (HCR).

4. Includes two manually adjustable chokes which are installed on both side of the manifold cross. Steel isolation gate valves are installed between both chokes and the cross, and also downstream of both chokes.

5. Includes a blooey line which runs straight through the cross and is isolated by a steel gate valve.

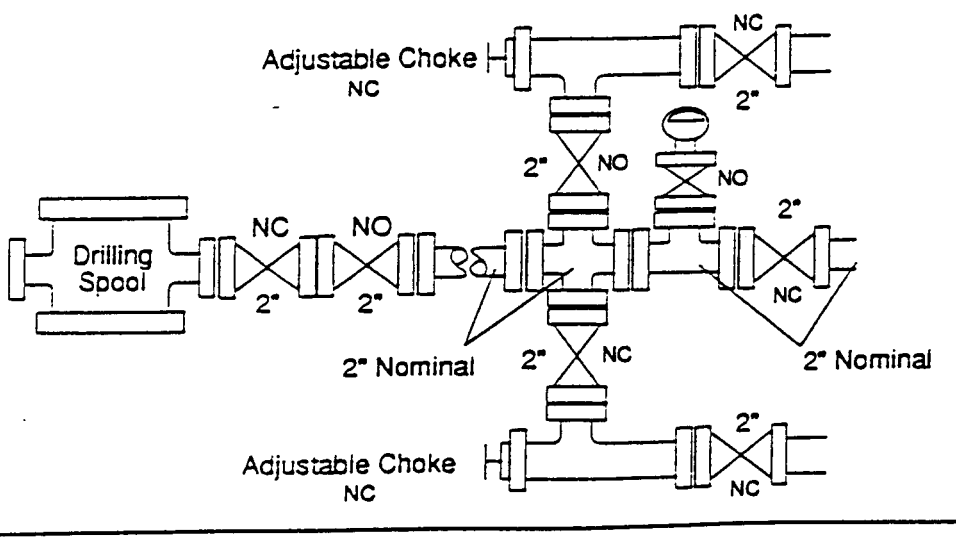
6. Includes a valve isolated pressure gauge suitable for drilling service which can display the casing pressure within view of the choke operator.

7. Returns through the choke manifold must be divertible through a mud-gas seperator and then be routed to either the shale shaker or the reserve pit through a buffer tank or manifold arrangement.

8. If the choke manifold is remote from the wellhead, a third master valve should be installed immediately upstream of the manifold cross.

Figure 11J.8 - Class III Choke Manifold

NC = Normally Closed
NO = Normally Open



D. TYPE "B" KILL LINE — CLASS III, IV , AND V WELLS

The type B kill line described below in Figure 11J.11 is the minimum recommended hookup for installation on all Class III, Class IV and Class V wells. Specific design features of the type B kill line include:

1. The preferred kill line connection to the well is at the drilling spool, however, a preventer side outlet may be used when space restrictions exclude the use of a drilling spool. In all cases, the kill line must be installed below the uppermost blind rams so the well can be pumped into with no pipe in the hole.

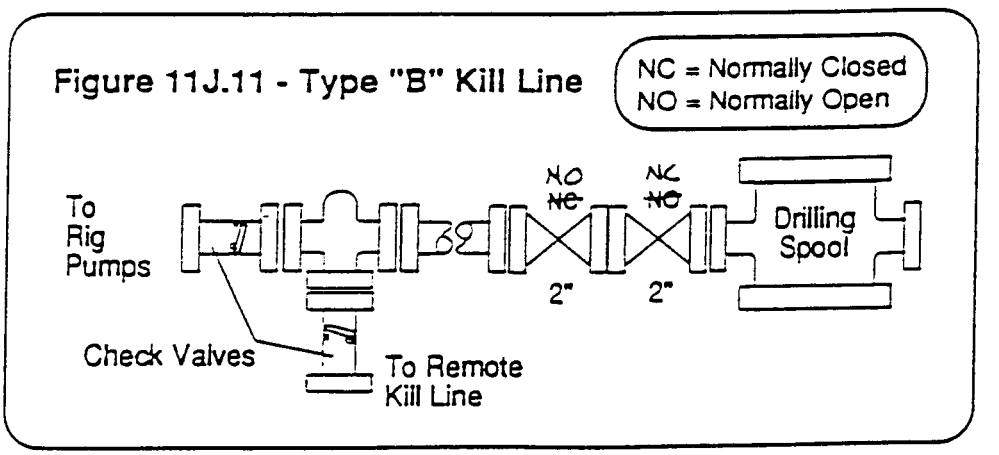
2 The arrangement includes two - 2" (nominal) gate valves installed at the drilling spool and an upstream fluid cross. The outside valve may be hydraulically remote controlled.

3. Two pump-in lines should be attached to the fluid cross. The **primary kill line** should be routed to the rig standpipe where it can be manifolded to the rig pumps. The **remote kill line** should be run to a safe location away from the rig or to the rig cementing unit. The remote kill line should have a loose end connection for rigging-up a high pressure pumping unit.

4. Both the primary kill line and the remote kill line must include a 2" check valve which is in working condition while drilling. If a check valve is crippled for testing purposes, the flapper or ball must be re-installed and tested before drilling resumes.

5. The primary kill line must include a pressure gauge which can display the pump-in pressure on the rig floor.

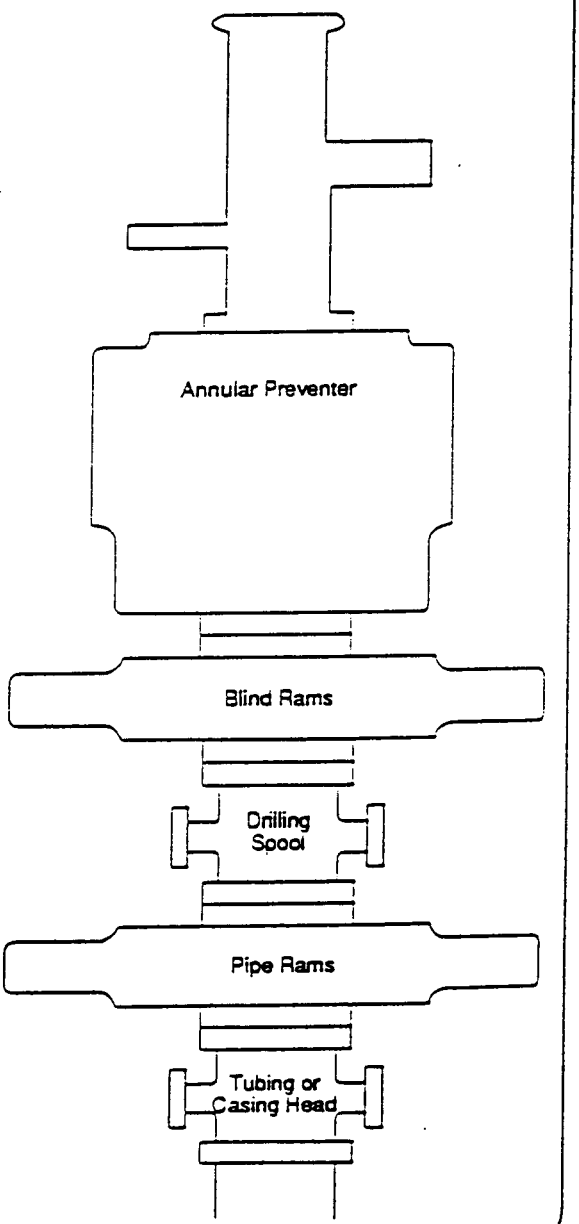
6. Any lines which are installed at the wellhead are designated as "**emergency kill lines**" and should only be used if the primary and remote kill lines are inoperable.



E. CLASS III BLOWOUT PREVENTER STACK:

The Class III preventer stack is designed for drilling or workover operations. It is composed of a single hydraulically operated annular preventer on top, then a blind ram preventer, a drilling spool, and a single pipe ram preventer on bottom. The choke and kill lines are installed onto the drilling spool and must have a minimum internal diameter of 2". All side outlets on the preventers or drilling spool must be flanged, studded, or clamped. An emergency kill line may be installed on the wellhead. A double ram preventer should only be used when space limitations make it necessary to remove the drilling spool. In these instances, the choke manifold should be connected to a flanged outlet between the preventer rams only. In this hookup, the pipe rams are considered master rams only, and cannot be used to routinely circulate out a kick. The Class III blowout preventer stack is shown to the right in Figure 11J.4.

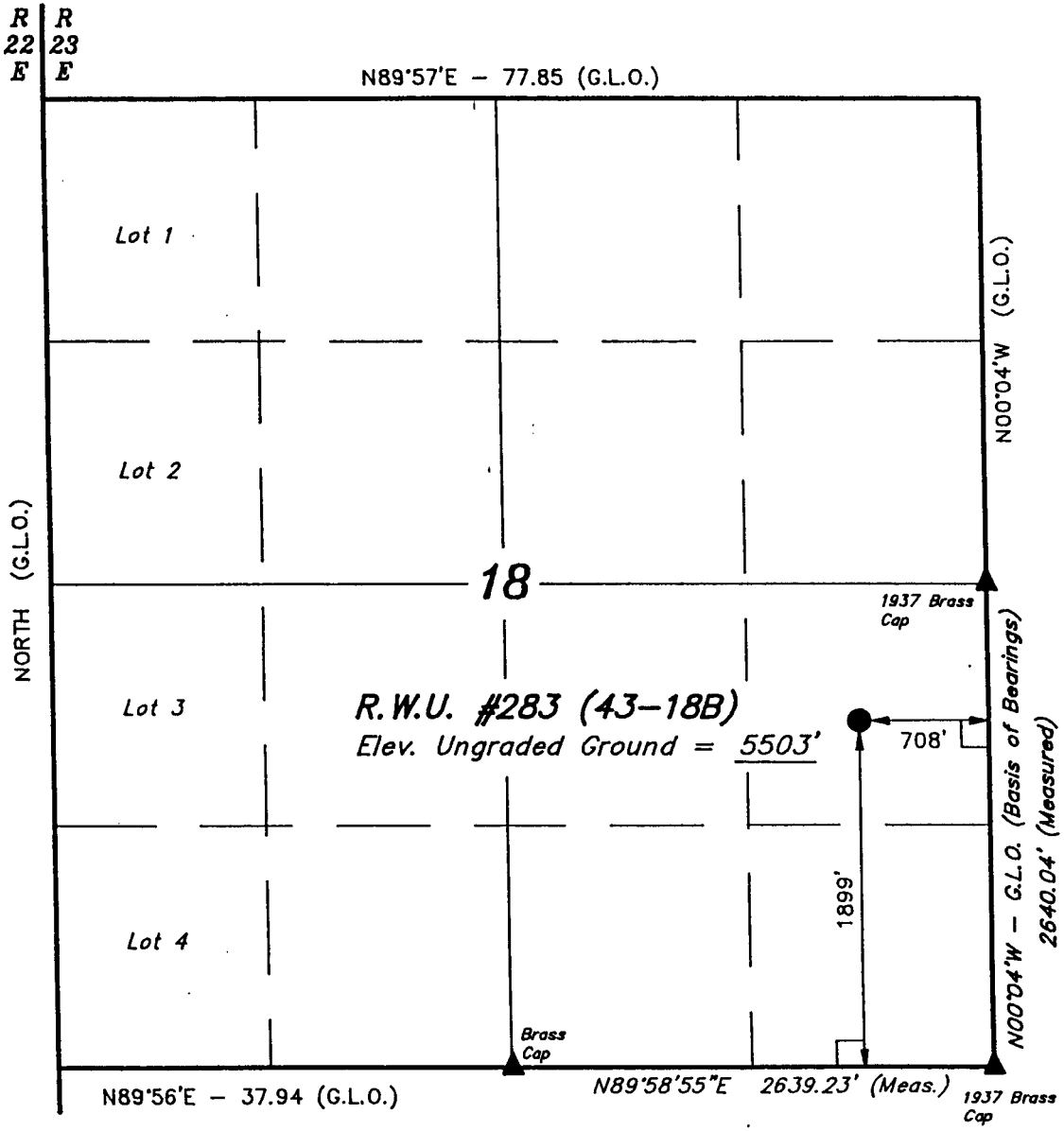
Figure 11J.4
Class III Blowout Preventer Stack



CHEVRON U.S.A., INC.

Well location, R.W.U. #283 (43–18B), located as shown in the NE 1/4 SE 1/4 of Section 18, T7S, R23E, S.L.B.&M. Uintah County, Utah.

T7S, R23E, S.L.B.&M.



LEGEND:

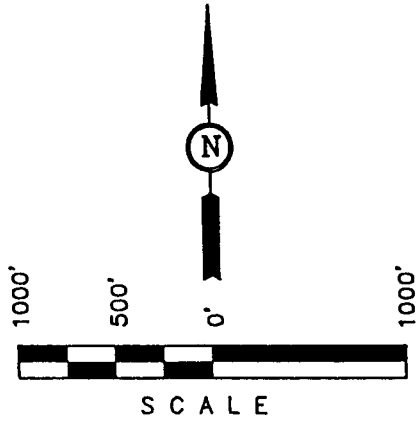
└ = 90° SYMBOL

● = PROPOSED WELL HEAD.

▲ = SECTION CORNERS LOCATED.

BASIS OF ELEVATION

TRIANGULATION STATION (BADLANDS) LOCATED IN THE SW 1/4 OF SECTION 17, T7S, R23E, S.L.B.&M. TAKEN FROM THE RED WASH, QUADRANGLE, UTAH, UINTAH COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5586 FEET.



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR
REGISTRATION NO. 161319
STATE OF UTAH

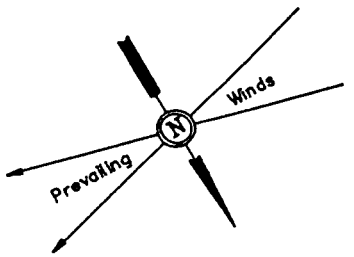
UINTAH ENGINEERING & LAND SURVEYING
85 SOUTH 200 EAST – VERNAL, UTAH 84078
(801) 789–1017

SCALE: 1" = 1000'	DATE SURVEYED: 6–21–97	DATE DRAWN: 7–15–97
PARTY: B.B. D.R. C.B.T.	REFERENCES: G.L.O. PLAT	
WEATHER: WARM	FILE: CHEVRON U.S.A. INC.	

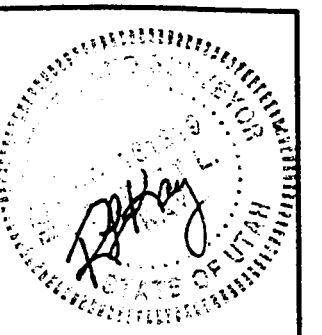
CHEVRON USA., INC.

LOCATION LAYOUT FOR

R.W.U. #283 (43-18B)
SECTION 18, T7S, R23E, S.L.B.&M.
1899' FSL 708' FEL



SCALE: 1" = 50'
DATE: 7-15-97
Drawn By: C.B.T.



Proposed Access Road

F-1.7' Small Drainage
El. 498.8'

F-3.6'
El. 496.9'

El. 495.5'
F-5.0'

Sta. 3+10

Topsoil Stockpile

DATA

140'

CATWALK

PIPE RACKS

NOTE:
FLARE PIT IS TO BE LOCATED A MINIMUM OF 100' FROM THE WELL HEAD.

Flare Pit

El. 506.6'
C-14.1'
(Btm. Pit)

El. 504.0'
C-3.5'

C-2.4'
El. 502.9'

RIG

DOG HOUSE

100'

40'

10'

60'

Sta. 1+70

APPROX. TOP OF CUT SLOPE

RESERVE PIT
8' DEEP

PIT CAPACITY WITH 2' OF FREEBOARD = 4,120 Bbls.

Sta. 0+92

100'

10' WIDE BENCH

1 1/2:1 (TYP.)

MUD TANKS

WATER

TRAILER

PUMP

MUD SHED

TOILET

HOPPER

FUEL

POWER

TOOLS

FUEL

TRASH

El. 499.6'
F-0.9'

Reserve Pit Backfill & Spoils Stockpile

El. 504.1'
C-11.6'
(Btm. Pit)

El. 501.7'
C-1.2'

APPROX. TOE OF FILL SLOPE

80'

170'

STORAGE TANK

Sta. 0+00

F-0.5'
El. 500.0'

F-2.2'
El. 498.3'

El. 494.4'
F-6.1'

Elev. Ungraded Ground at Location Stake = 5502.9'

Elev. Graded Ground at Location Stake = 5500.5'

FIGURE #1

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East • Vernal, Utah 84078 • (801) 789-1017

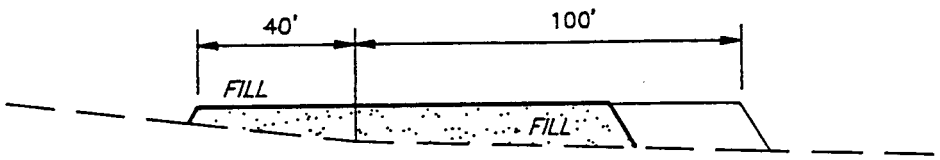
CHEVRON USA., INC.

TYPICAL CROSS SECTIONS FOR

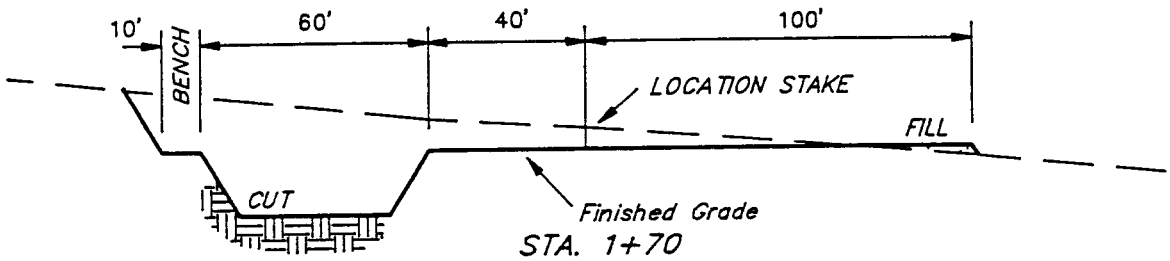
R.W.U. #283 (43-18B)
SECTION 18, T7S, R23E, S.L.B.&M.
1899' FSL 708' FEL

1" = 20'
X-Section Scale
1" = 50'

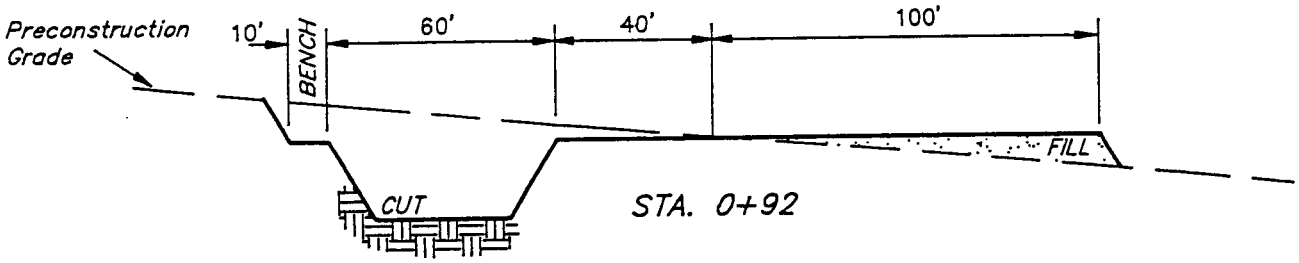
DATE: 7-15-97
Drawn By: C.B.T.



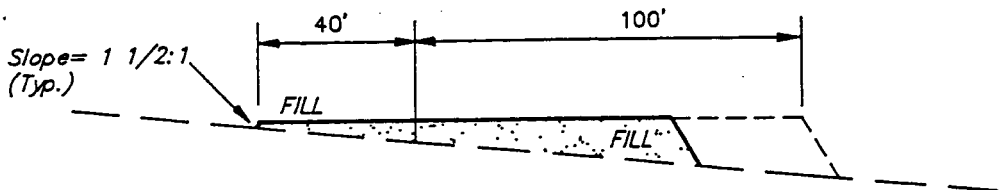
STA. 3+10



STA. 1+70



STA. 0+92



STA. 0+00

FIGURE #2

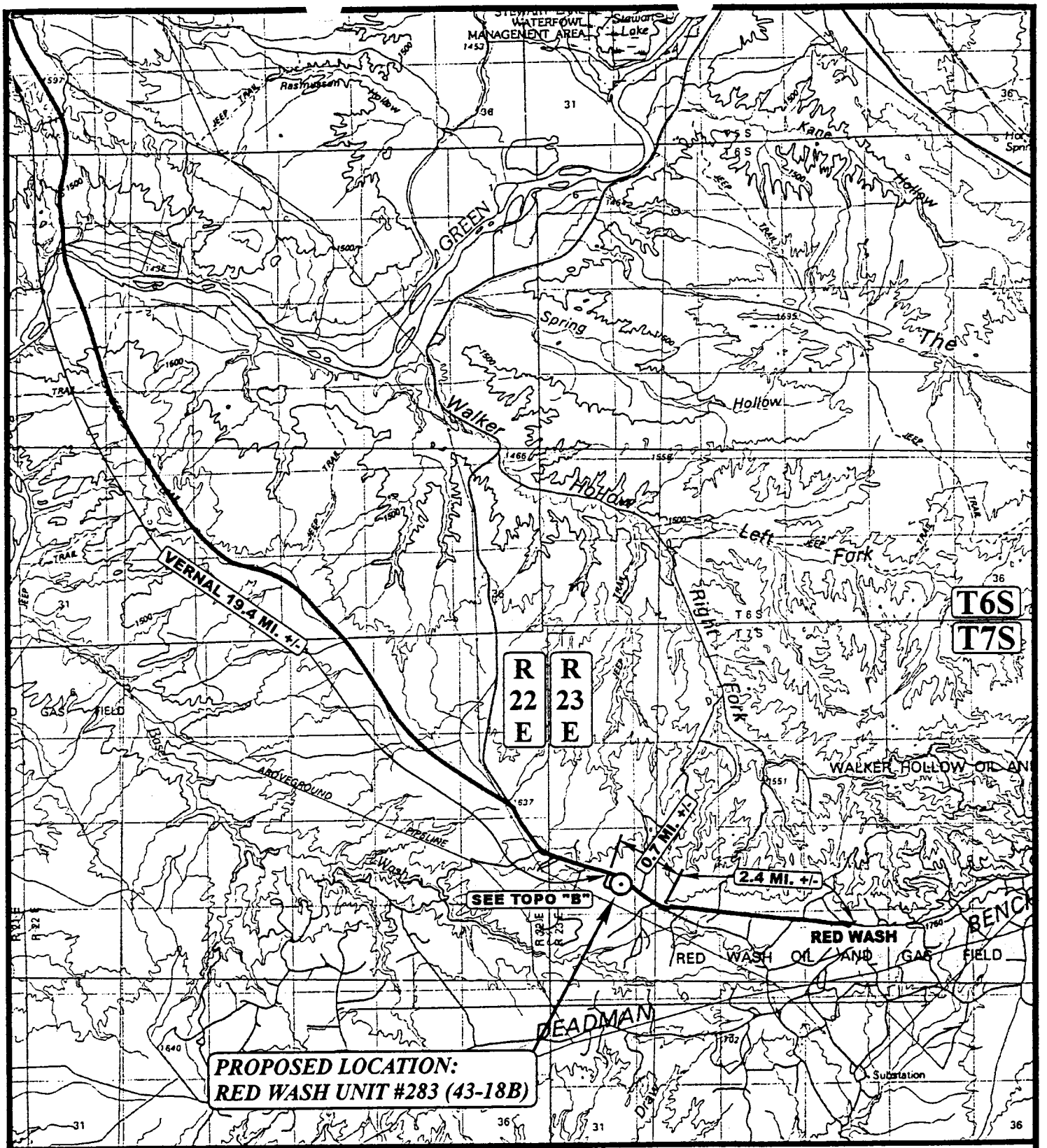
APPROXIMATE YARDAGES

CUT

(6") Topsoil Stripping	=	910 Cu. Yds.
Remaining Location	=	3,350 Cu. Yds.
TOTAL CUT	=	4,260 CU.YDS.
FILL	=	2,580 CU.YDS.

EXCESS MATERIAL AFTER 5% COMPACTION	=	1,540 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	=	1,540 Cu. Yds.
EXCESS CUT MATERIAL	=	0 Cu. Yds.

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East • Vernal, Utah 84078 • (801) 789-1017



LEGEND:

⊙ PROPOSED LOCATION

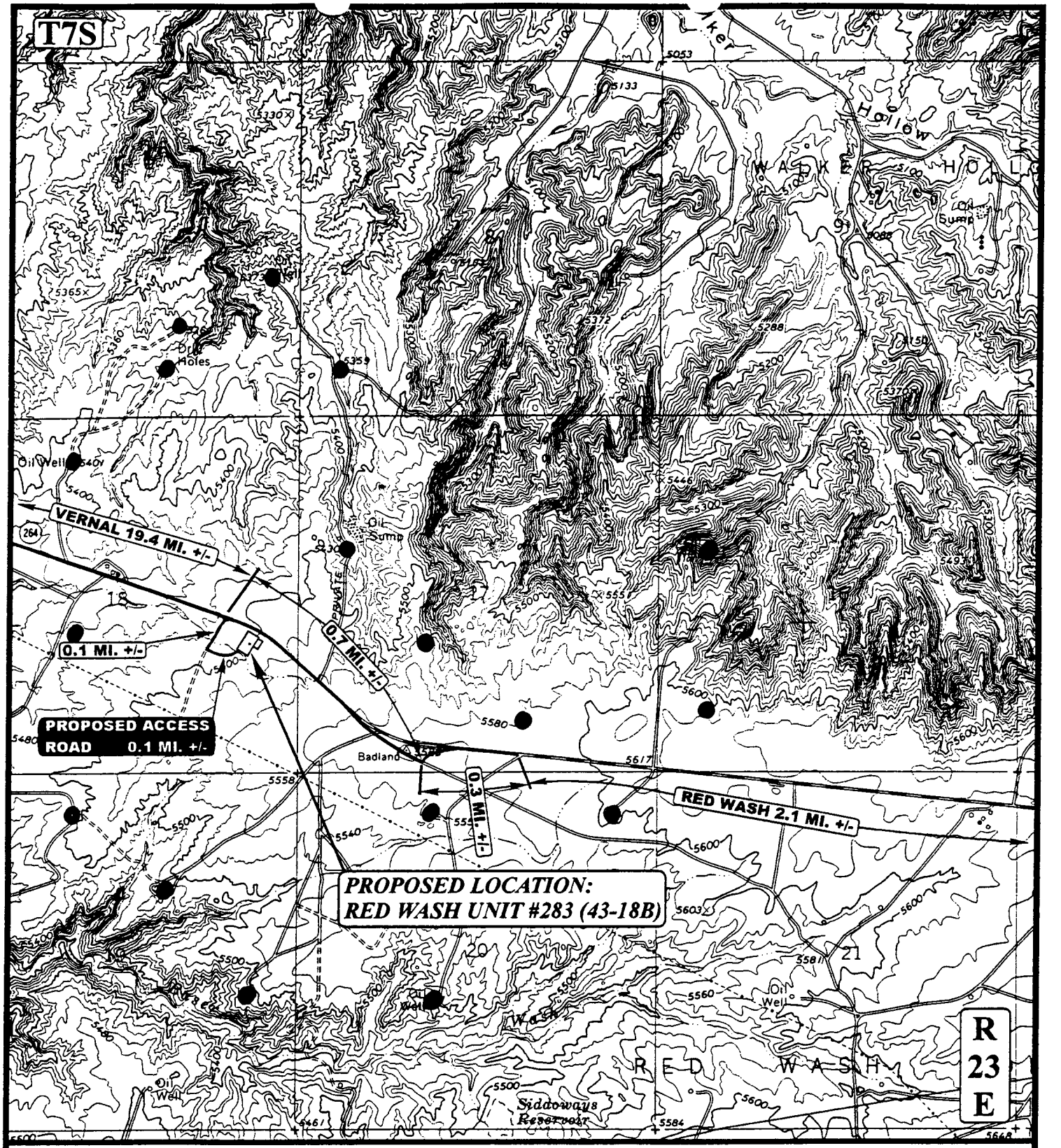
N

CHEVRON U.S.A., INC.

RED WASH UNIT #283 (43-18B)
SECTION 18, T7S, R23E, 6th P.M.
1899' FSL 708' FEL

UELS
Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(801) 789-1017 * FAX (801) 789-1813
Email: uels@easilink.com

TOPOGRAPHIC MAP	7 MONTH	2 DAY	97 YEAR	A TOPO
SCALE: 1 : 100,000	DRAWN BY: D.COX	REVISED: 00-00-00		



LEGEND:

- - - - - - - - - - PROPOSED ACCESS ROAD

———— EXISTING ROAD

N

CHEVRON U.S.A., INC.

RED WASH UNIT #283 (43-18B)
SECTION 18, T7S, R23E, 6th P.M.
1899' FSL 708' FEL

UELS
Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(801) 789-1017 * FAX (801) 789-1813
Email: uels@easilink.com

TOPOGRAPHIC MAP	7 MONTH	2 DAY	97 YEAR	B TOPO
SCALE: 1" = 2000'	DRAWN BY: D.COX	REVISED: 00-00-00		

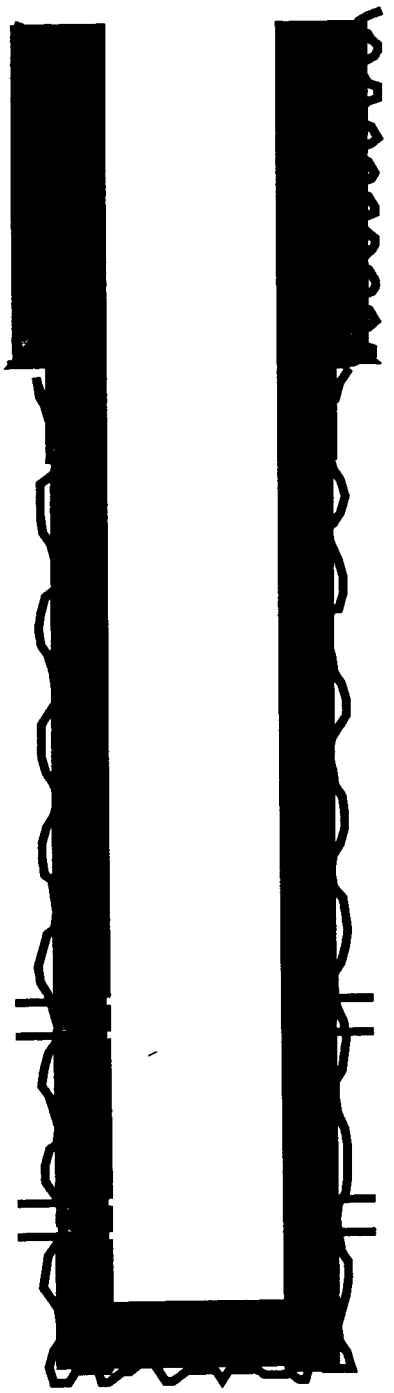
PLANNED
WELLBORE DIAGRAM

WELL: RWU #283 (43-18B)
LOCATION: 1899' FSL, 708' FEL
NESE-SEC.18-T7S-R23E
UINTAH COUNTY, UTAH

KBE: 5519' ESTIMATED
GLE: 5503'
TD: 5990' PLANNED
PBTD: 5950' ESTIMATED

LEASE: U-0016
API #:
EPA ID#:

PLANNED PRIMARY
CEMENT TOP @
SURFACE



PBTD: 5950'
TD: 5990'

8/14/97

PLANNED SURFACE HOLE & CASING:

HOLE SIZE:	12-1/4"
CSG. TYPE & SIZE:	8 5/8", 24# K-55, ST&C
SETTING DEPTH:	360'
CEMENT:	>130 SX. CLASS G
CEMENT TOP:	SURFACE

GEOLOGIC MARKERS:

UINTA	SURFACE
GREEN RIVER	~3188'
OIL SHALE	~3918-4100'

PERFORATIONS - GREEN RIVER FORMATION:

PAY ZONES EXPECTED BETWEEN
~5583' AND ~5810'.

PERFORATE AS INDICATED BY
OPENHOLE LOGS AND RESULTING
GEOLOGIC CORRELATIONS.

PLANNED PRODUCTION HOLE AND CASING:

HOLE SIZE:	7 7/8"
CSG. TYPE & SIZE:	5 1/2", 15.5# K-55, ST&C
SETTING DEPTH:	5990'
CEMENT:	>420 SX. HI-FILL CLASS G LEAD >220 SX. CLASS G TAIL
CEMENT TOP:	SURFACE

RWU #283 (43-18B)
Uintah County, Utah

UIC Permit Application

Attachment E

CORE LABORATORIES

LABORATORY TEST RESULTS

Job Number: 974136

Date: 02/18/97

CUSTOMER: Chevron USA, Inc. PROJECT: M6PR071493 ATTN: MIKE ALEXANDER

Customer Sample ID: CENTRAL BATTERY WATER INJECTION STATION
Date Sampled.....: 02/04/97
Time Sampled.....: 00:00
Sample Matrix.....: Water

Laboratory Sample ID: 974136-1
Date Received.....: 02/06/97
Time Received.....: 14:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TECH
EPA 160.1	Solids, Total Dissolved (TDS), Total	9100	10	mg/L	02/07/97	jal
EPA 120.1	Specific Conductivity @ 25 degrees C, Total	14900	1	umhos/cm	02/07/97	jal
ASTM 1429-86	Specific Gravity, Total	1.0092	0.0001	25 deg. C	02/17/97	adf
EPA 150.1	pH, Total	8.20	0.01	pH Units	02/07/97	jal

RWU #283 (43-18B)
Uintah County, Utah

UIC Permit Application

Attachment H

CORE LABORATORIES

LABORATORY TEST RESULTS

Job Number: 974136

Date: 02/18/97

CUSTOMER: Chevron USA, Inc. PROJECT: M6PR071493 ATTN: MIKE ALEXANDER

Customer Sample ID: 18B WATER INJECTION STATION
Date Sampled.....: 02/04/97
Time Sampled.....: 00:00
Sample Matrix.....: Water

Laboratory Sample ID: 974136-2
Date Received.....: 02/06/97
Time Received.....: 14:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TECH
EPA 160.1	Solids, Total Dissolved (TDS), Total	480	10	mg/L	02/07/97	jal
EPA 120.1	Specific Conductivity @ 25 degrees C, Total	839	1	umhos/cm	02/07/97	jal
ASTM 1429-86	Specific Gravity, Total	0.9934	0.0001	25 deg. C	02/17/97	adf
EPA 150.1	pH, Total	7.78	0.01	pH Units	02/07/97	jal

RWU #283 (43-18B)
Uintah County, Utah

UIC Permit Application

Attachment L

RWU #283 (43-18B)
PLANNED COMPLETION PROCEDURE:

1. MIRU. NU BOPE. PU WORKSTRING AND CLEAN OUT TO FLOAT COLLAR WITH BIT AND SCRAPER.

2. PRESSURE TEST CASING TO 2000 PSI.

3. RUN GR-CBL-CCL FROM PBTD TO SURFACE OR 200' ABOVE CEMENT TOP IF CIRCULATION WAS LOST DURING PRIMARY CEMENTING JOB.

4. PERFORATE PAY INTERVALS AS DIRECTED BY DEVELOPMENT GEOLOGY USING 4 JSPF, 90° PHASING, MAXIMUM AVAILABLE CHARGE VIA HSC. DEPTHS WILL BE CORRELATED WITH OPENHOLE INDUCTION ELECTRICAL LOG.

5. TIH WITH TOOLS, ISOLATE, BREAKDOWN AND ESTABLISH PUMP IN RATES FOR EACH PERFORATED INTERVAL. NUMBER OF TOOL SETTINGS WILL DEPEND ON PERFORATION SPACING.

6. HYDROTEST IN HOLE WITH 2-PACKER/2-MANDREL SIE ON INTERNALLY COATED 2-3/8" OR 2-7/8" J-55 TUBING. EQUIPMENT SPACING WILL DEPEND ON ACTUAL PERFORATED INTERVALS.

7. CIRCULATE PACKER FLUID AND DIESEL FREEZE BLANKET. SET PACKERS, ND BOPE AND NU WH.

8. CONDUCT MIT PER EPA GUIDELINES (1000 PSI WITH LESS THAN 10% LOSS IN 30 MIN.). RECORD RESULTS ON CHART.

9. RDMO.

10. RU WIRELINE. PULL BLANKS FROM SIDEPOCKET MANDRELS AND INSTALL FULLY OPEN POCKET PROTECTORS. RUN PRESSURE BOMB TO MIDDLE OF PERFORATED INTERVAL AND RECORD STATIC RESERVOIR PRESSURE.

RWU #283 (43-18B)
Uintah County, Utah

UIC Permit Application

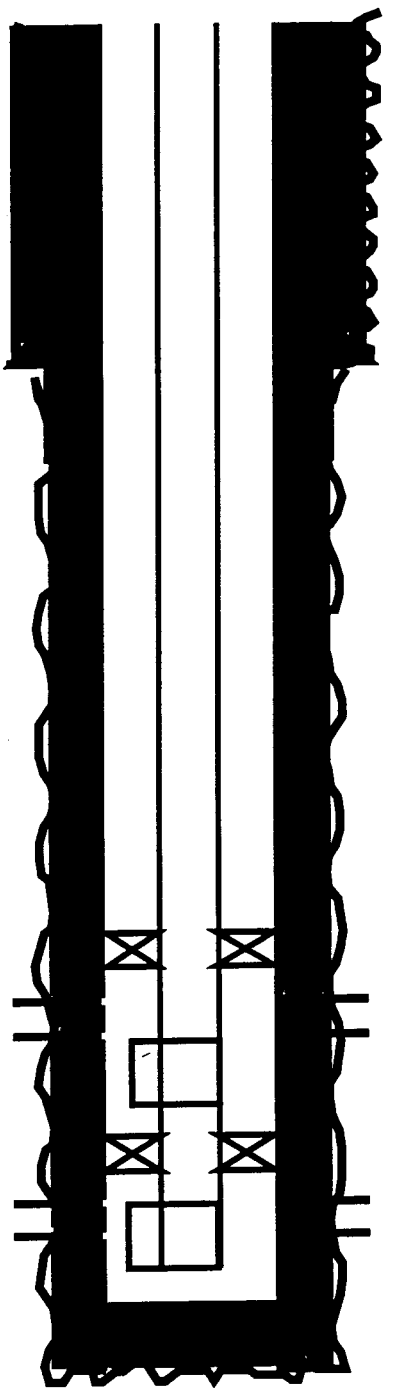
Attachment M

PLANNED
WELLBORE DIAGRAM

WELL: RWU #283 (43-18B)
LOCATION: 1899' FSL, 708' FEL
NESE-SEC.18-T7S-R23E
UINTAH COUNTY, UTAH

KBE: 5519' ESTIMATED
GLE: 5503'
TD: 5990' PLANNED
PBTD: 5950' ESTIMATED

LEASE: U-0016
API #:
EPA ID#:



PLANNED PRIMARY CEMENT TOP @ SURFACE

PLANNED INJECTION STRING:

2-3/8" OR 2-7/8" INTERNALLY COATED J-55 TUBING

2-PACKER/2 MANDREL SIE ASSEMBLY

SETTING DEPTHS AND SPACING TO DEPEND ON ACTUAL PERFORATIONS

PBTD: 5950'
TD: 5990'

8/14/97

PLANNED SURFACE HOLE & CASING:

HOLE SIZE:	12-1/4"
CSG. TYPE & SIZE:	8 5/8", 24# K-55, ST&C
SETTING DEPTH:	360'
CEMENT:	>130 SX. CLASS G
CEMENT TOP:	SURFACE

GEOLOGIC MARKERS:

UINTA	SURFACE
GREEN RIVER	~3188'
OIL SHALE	~3918-4100'

PERFORATIONS - GREEN RIVER FORMATION:

PAY ZONES EXPECTED BETWEEN ~5583' AND ~5810'.

PERFORATE AS INDICATED BY OPENHOLE LOGS AND RESULTING GEOLOGIC CORRELATIONS.

PLANNED PRODUCTION HOLE AND CASING:

HOLE SIZE:	7 7/8"
CSG. TYPE & SIZE:	5 1/2", 15.5# K-55, ST&C
SETTING DEPTH:	5990'
CEMENT:	>420 SX. HI-FILL CLASS G LEAD >230 SX. CLASS G TAIL
CEMENT TOP:	SURFACE

RWU #283 (43-18B)
Uintah County, Utah

UIC Permit Application

Attachment Q

EPA

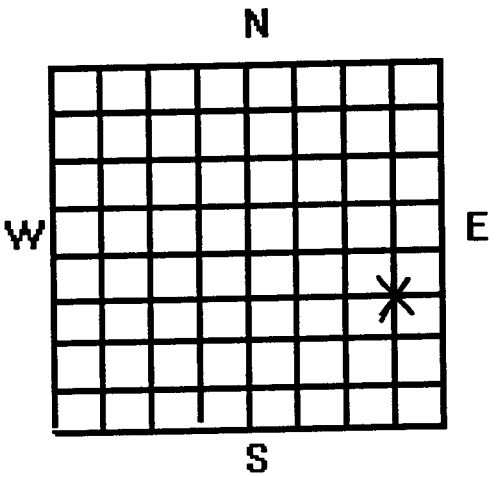
UNITED STATES ENVIRONMENTAL PROTEC[illegible] AGENCY
WASHINGTON, DC 20460

PLUGGING AND ABANDONMENT PLAN

NAME AND ADDRESS OF FACILITY
RED WASH UNIT #283 (43-18B)
11002 EAST 17500 SOUTH
VERNAL, UT 84078-8526

NAME AND ADDRESS OF OWNER/OPERATOR
CHEVRON USA PRODUCTION CO., INC.
11002 EAST 17500 SOUTH
VERNAL, UT 84078-8526

LOCATE WELL AND OUTLINE UNIT ON SECTION PLAT -- 640 ACRES



STATE	COUNTY	PERMIT NUMBER
UT	UINTAH	

SURFACE LOCATION DESCRIPTION
NE 1/4 OF SE 1/4 OF 1/4 SECTION 18 TOWNSHIP 7S RANGE 23E

LOCATE WELL IN TWO DIRECTIONS FROM NEAREST LINES OF QUARTER SECTION AND DRILLING UNIT

Surface
Location 1899 ft. from (N/S) S Line of quarter section

and 708 ft. from (E/W) E Line of quarter section

TYPE OF AUTHORIZATION

[X] Individual Permit
[ ] Area Permit
[ ] Rule

Number of Wells 1

WELL ACTIVITY

[ ] CLASS 1
[X] CLASS II
[ ] Brine Disposal
[X] Enhanced Recovery
[ ] Hydrocarbon Storage
[ ] CLASS III

Lease Name RED WASH UNIT Well Number 283 (43-18B)

CASING AND TUBING RECORD AFTER PLUGGING

ALL TUBING PULLED

SIZE	WT(LB/FT)	TO BE PUT IN WELL(FT)	TO BE LEFT IN WELL(FT)	HOLE SIZE
8-5/8"	24	360	360	12-1/4
5-1/2"	15.5	5990	5990	7-7/8

METHOD OF EMPLACEMENT OF CEMENT PLUGS

[X] The Balance Method
[X] The Dump Bailer Method
[ ] The Two-Plug Method
[ ] Other

CEMENTING TO PLUG AND ABANDON DATA:	PLUG #1	PLUG #2	PLUG #3	PLUG #4	PLUG #5	PLUG #6	PLUG #7
Size of Hole or Pipe in which Plug Will Be Placed (inches)	5-1/2	5-1/2	5-1/2	5-1/2			
Depth to Bottom of Tubing or Drill Pipe (ft.)	5550	4150	3240	360			
Sacks of Cement To Be Used (each plug)	4.4	34	14	45			
Slurry Volume To Be Pumped (cu. ft.)	4.7	36	14.7	48			
Calculated Top of Plug (ft.)	5515	3880	3130	0			
Measured Top of Plug (if tagged ft.)							
Slurry Wt. (Lb./Gal.)	16.4	16.4	16.4	16.4			
Type Cement or Other Material (Class III)	H	H	H	H			

LIST ALL OPEN HOLE AND/OR PERFORATED INTERVALS AND INTERVALS WHERE CASING WILL BE VARIED *(if any)*

From	To	From	To
TO BE DETERMINED WHEN			
DRILLED. TARGET INTERVALS			
EXPECTED WITHIN GROSS			
INTERVAL 5583-5810'			

Estimated Cost to Plug Wells
$30,000

CERTIFICATION

I certify under the penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediatley responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. (Ref. 40 CFR 144.32)

NAME AND OFFICIAL TITLE *(Please type or print)*	SIGNATURE	DATE SIGNED
J. T. CONLEY RED WASH ASSET TEAM LEADER	J T Conley	8-14-97

RWU #283 (43-18B)
PLANNED P&A PROCEDURE:

1. MIRU. ND WH AND NU BOPE. PULL INJECTION EQUIPMENT.

2. PU WORKSTRING AND CLEAN OUT TO PBTD WITH BIT AND SCRAPER.

3. **PLUG #1: TOP PERFORATION AT ~5583'.** SET CIBP AT ~5550' AND DUMP BAIL 35' (4.4 SX.) CLASS H CEMENT ON TOP. DISPLACE WELLBORE WITH 9.2 PPG BRINE.

4. **PLUG #2: OIL SHALE INTERVAL ~3918-4100'.** SET BALANCED CEMENT PLUG ACROSS INTERVAL 3880-4150' USING 34 SX. CLASS H CEMENT.

5. **PLUG #3: GREEN RIVER FM. TOP AT ~3188'.** SET BALANCED CEMENT PLUG ACROSS INTERVAL 3130-3240' USING 14 SX. CLASS H CEMENT.

6. **PLUG #4: SURFACE CASING SHOE AT 360'.** SET BALANCED PLUG FROM 360' TO SURFACE USING 45 SX. CLASS H CEMENT.

7. CUT OFF WH AND INSTALL MARKER.

8. RDMO. REHAB PER BLM GUIDELINES.

PLANNED P&A
WELLBORE DIAGRAM

WELL: RWU #283 (43-18B)
LOCATION: 1899' FSL, 708' FEL
NESE-SEC.18-T7S-R23E
UINTAH COUNTY, UTAH

KBE: 5519' ESTIMATED
GLE: 5503'
TD: 5990' PLANNED
PBTD: 5950' ESTIMATED

LEASE: U-0016
API #:
EPA ID#:

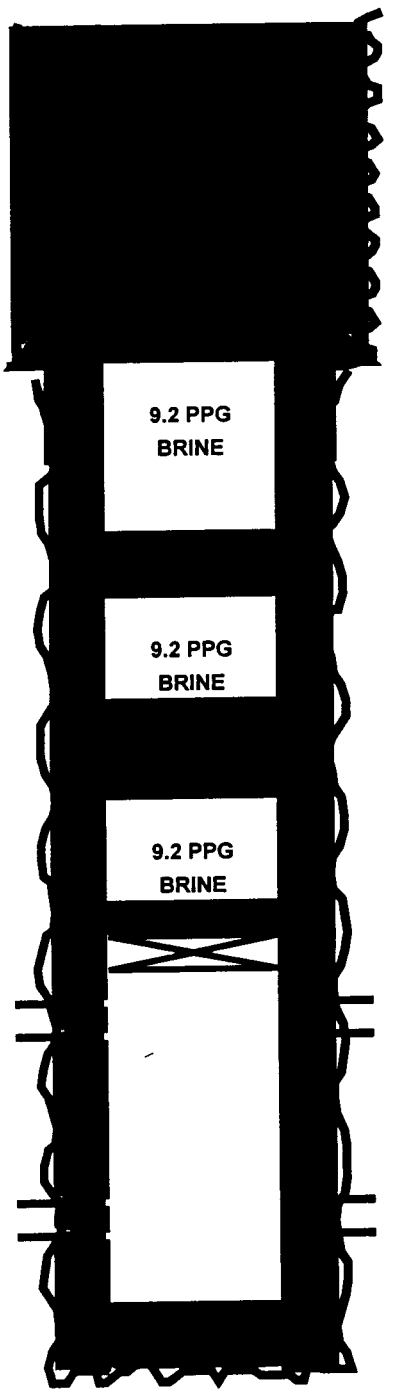
PLUG #4: BALANCED,
45 SX. CLASS H.
0-360'

PLANNED PRIMARY
CEMENT TOP @
SURFACE

PLUG #3: GREEN RIVER
FM., BALANCED, 14 SX.
CLASS H.
3130-3240'

PLUG #2: OIL SHALE,
BALANCED, 34 SX.
CLASS H.
3880-4150'

PLUG #1: PERFORATIONS,
CIBP @ 5550', 35' (4.4 SX.)
CLASS H ON TOP.
5515-5550'



PBTD: 5950'
TD: 5990'

8/14/97

PLANNED SURFACE HOLE & CASING:

HOLE SIZE:	12-1/4"
CSG. TYPE & SIZE:	8 5/8", 24# K-55, ST&C
SETTING DEPTH:	360'
CEMENT:	>130 SX. CLASS G
CEMENT TOP:	SURFACE

GEOLOGIC MARKERS:

UINTA	SURFACE
GREEN RIVER	~3188'
OIL SHALE	~3918-4100'

PERFORATIONS - GREEN RIVER FORMATION:

PAY ZONES EXPECTED BETWEEN
~5583' AND ~5810'.

PERFORATE AS INDICATED BY
OPENHOLE LOGS AND RESULTING
GEOLOGIC CORRELATIONS.

PLANNED PRODUCTION HOLE AND CASING:

HOLE SIZE:	7 7/8"
CSG. TYPE & SIZE:	5 1/2", 15.5# K-55, ST&C
SETTING DEPTH:	5990'
CEMENT:	>420 SX. HI-FILL CLASS G LEAD >220 SX. CLASS G TAIL
CEMENT TOP:	SURFACE

RWU #283 (43-18B)
Uintah County, Utah

UIC Permit Application

Attachment T

INJECTION WELL INVENTORY
RED WASH UNIT
UINTAH COUNTY, UTAH

WELL	LOCATION	API #	EPA ID #
#100A (43-21A)	NESE-21-7S-22E	43-047-15219	UT02463
#102 (41-24A)	SENE-24-7S-22E	43-047-15221	UT02406
#11 (34-27B)	SWSE-27-7S-23E	43-047-15142	UT02395
#14 (14-13B)	SWSW-13-7S-23E	43-047-15144	UT02396
#148 (13-22B)	NWSW-22-7S-23E	43-047-15261	UT02407
#156 (23-15B)	NESW-15-7S-23E	43-047-15267	UT02409
#173 (21-21B)	NENW-21-7S-23E	43-047-16496	UT02439
#174 (21-20B)	NENW-20-7S-23E	43-047-15281	UT02411
#182 (14-21B)	SWSW-21-7S-23E	43-047-16497	UT02440
#183 (33-13B)	NWSE-13-7S-23E	43-047-15289	UT02412
#185 (41-14B)	NENE-14-7S-23E	43-047-16498	UT02441
#199 (43-22A)	NESE-22-7S-22E	43-047-15301	UT02414
#2 (14-24B)	SWSW-24-7S-23E	43-047-16472	UT02416
#213 (41-33B)	NENE-33-7S-23E	43-047-20060	UT02444
#216 (21-27A)	NENW-27-7S-22E	43-047-30103	UT02446
#23 (21-23B)	NENW-23-7S-23E	43-047-15151	UT02397
#264 (31-35B)	NWNE-35-7S-23E	43-047-30519	UT02449
#275 (31-26B)	NWNE-26-7S-23E	43-047-31077	UT02455
#279 (11-36B)	NWNW-36-7S-23E	43-047-31052	UT02453
#34 (23-14B)	NWSW-14-7S-23E	43-047-15161	UT02398
#56 (41-28B)	NENE-28-7S-23E	43-047-15182	UT02400
#59 (12-24B)	SWNW-24-7S-23E	43-047-16477	UT02421
#6 (41-21B)	NENE-21-7S-23E	43-047-16482	UT02426
#7 (41-27B)	NENE-27-7S-23E	43-047-15205	UT02417
#88 (23-18B)	NESW-18-7S-23E	43-047-15210	UT02404
#91 (33-22B)	NWSE-22-7S-23E	43-047-16479	UT02423
#93 (43-27B)	NESE-27-7S-23E	43-047-16480	UT02424
#271 (42-35B)	SENE-35-7S-23E	43-047-31081	UT02458
#61 (12-27A)	SWNW-27-7S-22E	43-047-16478	UT02422
#134 (14-28B)	SWSW-28-7S-23E	43-047-16489	UT02433
#139 (43-29B)	NESE-29-7S-23E	43-047-16490	UT02434
#150 (31-22B)	NWNE-22-7S-23E	43-047-15263	UT02408
#16 (43-28B)	NESE-28-7S-23E	43-047-16475	UT02419
#161 (14-20B)	SWSW-20-7S-23E	43-047-15271	UT02410
#170 (41-15B)	NENE-15-7S-23E	43-047-16495	UT02438
#202 (21-34A)	NENW-34-7S-22E	43-047-15303	UT02415
#215 (43-28A)	NESE-28-7S-22E	43-047-30058	UT02445
#25 (23-23B)	NESW-23-7S-23E	43-047-16476	UT02420
#263 (24-26B)	SESW-26-7S-23E	43-047-30518	UT02448
#265 (44-26B)	SESE-26-7S-23E	43-047-30520	UT02450
#266 (33-26B)	NWSE-26-7S-23E	43-047-30521	UT02451
#269 (13-26B)	NWSW-26-7S-23E	43-047-30522	UT02452
#48 (32-19B)	SWNE-19-7S-23E	43-047-15174	UT02399
#60 (43-30B)	NESE-30-7S-23E	43-047-15184	UT02401
#68 (41-13B)	NENE-13-7S-23E	43-047-16485	UT02429
#97 (23-18C)	NESW-18-7S-24E	43-047-15216	UT02405
#17 (41-20B)	NENE-17-7S-23E	43-047-15146	UT2810-04346
#258 (34-22A)	SWSE-22-7S-22E	43-047-30458	UT2812-04348
#52 (14-18B)	SWSW-18-7S-23E	43-047-15178	UT2811-04347

WONSITS VALLEY FEDERAL UNIT
UINTAH COUNTY, UTAH

INJECTION WELL INVENTORY
DECEMBER 31, 1996

WELL	LOCATION	API#	EPA ID#
SC #12-23	NESE-23-8S-21E	43-047-20203	UT02367
WVFU #120	NENW-22-8S-21E	43-047-32462	UT2770-04264
WVFU #126	NWNE-21-8S-21E	43-047-30796	UT02509
WVFU #140	NWNW-15-8S-21E	43-047-31707	UT03508
WVFU #143	NWSE-10-8S-21E	43-047-31808	UT03509
WVFU #16	NENE-15-8S-21E	43-047-15447	UT02469
WVFU #21	NENE-16-8S-21E	43-047-15452	UT02471
WVFU #28-2	NESW-11-8S-21E	43-047-31524	UT02510
WVFU #31	NENW-14-8S-21E	43-047-15460	UT02394
WVFU #36	NESW-10-8S-21E	43-047-15464	UT02479
WVFU #40-2	NESE-10-8S-21E	43-047-31798	UT02511
WVFU #41	NENW-15-8S-21E	43-047-15496	UT02483
WVFU #59	SWNW-14-8S-21E	43-047-20018	UT03505
WVFU #60	SWSE-15-8S-21E	43-047-20019	UT03506
WVFU #67	NESW-15-8S-21E	43-047-20043	UT02497
WVFU #68	NESE-15-8S-21E	43-047-20047	UT02498
WVFU #71-2	SWSW-15-8S-21E	43-047-32449	UT2712-03777
WVFU #72	SWSW-16-8S-21E	43-047-20058	UT02501
WVFU #73	NESE-16-8S-21E	43-047-20066	UT02502
WVFU #78	NESW-16-8S-21E	43-047-20115	UT02504
WVFU #9	NESE-12-8S-21E	43-047-15440	UT02466
WVFU #50	SWNE-15-8S-21E	43-047-15477	UT03504
WVFU #52	NENE-13-8S-21E	43-047-15479	UT02460
WVFU #61	NENW-18-8S-22E	43-047-20023	UT02495
WVFU #66	SWSE-14-8S-21E	43-047-20042	UT03098
WVFU #35	NESW-14-8S-21E	43-047-15463	UT2813-04351
WVFU #97	NWSW-11-8S-21E	43-047-30014	UT2814-04350

GYPSUM HILLS UNIT
UINTAH COUNTY, UTAH

INJECTION WELL INVENTORY
DECEMBER 31, 1996

WELL	LOCATION	API #	EPA ID #
COSTAS FED #1-20-4B	NESW-20-8S-21E	43-047-31006	UT2726-03792
COSTAS FED #2-20-3B	NESE-20-8S-21E	43-047-31066	UT03722
COSTAS FED #3-21-1D	SWNW-21-8S-21E	43-047-31604	UT02714
GHU #10	NWSE-21-8S-20E	43-047-32306	UT03721
GHU #12	NESE-19-8S-21E	43-047-32458	UT2727-03794
GHU #15	SWSW-20-8S-21E	43-047-32648	UT2804-04336
GHU #17	SWSE-20-8S-21E	43-047-32649	UT2805-04337
GHU #3	NENE-20-8S-21E	43-047-20002	UT2759-04241
GHU #6	NENW-20-8S-21E	43-047-30099	UT2760-04242
GHU #8-I	SWNE-20-8S-21E	43-047-31932	UT02715

INJECTION WELL INVENTORY
BRENNAN BOTTOM UNIT
UINTAH COUNTY, UTAH

WELL	LOCATION	API #	EPA ID #
BRENNAN FED #5	SENW-18-7S-21E	43-047-15420	UT2807-04341
BRENNAN FED #11	SESW-18-7S-21E	43-047-32772	UT2807-04342

State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor
Ted Stewart
Executive Director
James W. Carter
Division Director

1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801
801-538-5340
801-359-3940 (Fax)
801-538-7223 (TDD)

August 26, 1997

Chevron USA Production Company
11002 East 17500 South
Vernal, Utah 84078-8526

Re: RWU 283 (43-18B) Well, 1899' FSL, 708' FEL, NE SE, Sec. 18, T. 7 S., R. 23 E., Uintah County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. 40-6-1 et seq., Utah Administrative Code R649-3-1 et seq., and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-32982.

Sincerely,

John R. Baza
Associate Director

lwp
Enclosures
cc: Uintah County Assessor
Bureau of Land Management, Vernal District Office

Operator: Chevron USA Production Company

Well Name & Number: RWU 283 (43-18B)

API Number: 43-047-32982

Lease: U-0116

Location: NE SE **Sec.** 18 **T.** 7 S. **R.** 23 E.

Conditions of Approval

1. General
   Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for Permit to Drill.

2. Notification Requirements
   Notify the Division within 24 hours following spudding the well or commencing drilling operations. Contact Jim Thompson at (801)538-5336.

   Notify the Division prior to commencing operations to plug and abandon the well. Contact John R. Baza (801)538-5334.

3. Reporting Requirements
   All required reports, forms and submittals shall be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

Form 3160-3
(December 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0136
Expires December 31, 1991

5. LEASE DESIGNATION AND SERIAL NO.
U-0116

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK
DRILL [X] DEEPEN [ ]

b TYPE OF WELL
OIL WELL [ ] GAS WELL [ ] OTHER WATER INJECTION SINGLE ZONE [X] MULTIPLE ZONE [ ]

7. UNIT AGREEMENT NAME
RED WASH UNIT

8. FARM OR LEASE NAME, WELL NO.
RWU #283 (43-18B)

9. API WELL NO.

2. NAME OF OPERATOR
CHEVRON USA PRODUCTION CO., INC.

3. ADDRESS AND TELEPHONE NO.
11002 EAST 17500 SOUTH, VERNAL, UT 84078-8526 (801) 781-4300

10. FIELD AND POOL, OR WILDCAT
RED WASH - GREEN RIVER

4. LOCATION OF WELL (*Report location clearly and in accordance with any State requirements*)*
At surface
1899' FSL, 708' FEL, NESE

At proposed prod. zone
SAME

11. SEC.,T., R., M., OR BLOCK AND SURVEY OR AREA
SEC. 18-T7S-R23E, SLBM

12. COUNTY OR PARISH
UINTAH

13. STATE
UTAH

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
~21 MILES FROM VERNAL, UT

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)
1899'

16. NO. OF ACRES IN LEASE
1263

17. NO. OF ACRES ASSIGNED TO THIS WELL
NA

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
1776'

19. PROPOSED DEPTH
5990'

20. ROTARY OR CABLE TOOLS
ROTARY

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
5503' GL

22. APPROX. DATE WORK WILL START*
10/1/97

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8" K-55	24#	360'	130 SX. CLASS G
7-7/8"	5-1/2" K-55	15.5#	5990'	650 SX. CLASS G

Chevron proposes to drill a new Class II ER water injector at the location above. Attachments:

Certified plat
Self certification statement
Thirteen point surface use plan
Eight point drilling plan

The required UIC Permit Application will be submitted to the EPA.

RECEIVED
AUG 07 1997

RECEIVED
AUG 28 1997
DIV. OF OIL, GAS & MINING

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED [signature] TITLE Red Wash Asset Team Leader DATE 8-7-97

(This space for Federal or State office use)

PERMIT NO. NOTICE OF APPROVAL APPROVAL DATE CONDITIONS OF APPROVAL ATTACHED

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY [signature] TITLE Assistant Field Manager Mineral Resources DATE AUG 26 1997

*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

CONDITIONS OF APPROVAL
APPLICATION FOR PERMIT TO DRILL

Company/Operator: Chevron U.S.A. Production Company, Inc.

Well Name & Number: RWU 283 (43-18B)

API Number: 43-047-32982

Lease Number: U - 0116

Location: NESE Sec. 18 T. 7S R. 23E

NOTIFICATION REQUIREMENTS

Location Construction	-	at least forty-eight (48) hours prior to construction of location and access roads.
Location Completion	-	prior to moving on the drilling rig.
Spud Notice	-	at least twenty-four (24) hours prior to spudding the well.
Casing String and Cementing	-	at least twenty-four (24) hours prior to running casing and cementing all casing strings.
BOP and Related Equipment Tests	-	at least twenty-four (24) hours prior to initiating pressure tests.
First Production Notice	-	within five (5) business days after new well begins, or production resumes after well has been off production for more than ninety (90) days.

For more specific details on notification requirements, please check the Conditions of Approval for Notice to Drill and Surface Use Program.

CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

All lease and/or unit operations will be conducted in such a manner that full compliance is made with applicable laws, regulations (43 CFR 3100), Onshore Oil and Gas Orders, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished the field representative to insure compliance.

Be aware fire restrictions may be in effect when location is being constructed and/or when well is being drilled. Contact the appropriate Surface Management Agency for information.

A. DRILLING PROGRAM

1. Estimated Depth at Which Oil, Gas, Water, or Other Mineral Bearing Zones are Expected to be Encountered

Report ALL water shows and water-bearing sands to Tim Ingwell of this office **prior to setting the next casing string or requesting plugging orders.** Faxed copies of State of Utah form OGC-8-X are acceptable. If noticeable water flows are detected, submit samples to this office along with any water analyses conducted.

All usable water and prospectively valuable minerals (as described by BLM at onsite) encountered during drilling, will be recorded by depth and adequately protected. All oil and gas shows will be tested to determine commercial potential.

2. Pressure Control Equipment

The BOP and related equipment shall meet the minimum requirements of Onshore Oil and Gas Order No. 2 for equipment and testing requirements, procedures, etc., for a **2M** system and individual components shall be operable as designed. Chart recorders shall be used for all pressure tests.

Test charts, with individual test results identified, shall be maintained on location while drilling and shall be made available to a BLM representative upon request.

3. Casing Program and Auxiliary Equipment

Surface casing shall have centralizers on the bottom three joints, with a minimum of one centralizer per joint.

As a minimum, the usable water and oil shale resources shall be isolated and/or protected by having a cement top for the production casing at least 200 ft. above the shallowest potential productive zone. If gilsonite is encountered while drilling, it shall be isolated and/or protected via the cementing program.

4. Mud Program and Circulating Medium

Hazardous substances specifically listed by the EPA as a hazardous waste or demonstrating a characteristic of a hazardous waste will not be used in drilling, testing, or completion operations.

No chromate additives will be used in the mud system on Federal and Indian lands without prior BLM approval to ensure adequate protection of fresh water aquifers.

5. Coring, Logging and Testing Program

Daily drilling and completion progress reports shall be submitted to this office on a weekly basis.

All Drill Stem tests (DST) shall be accomplished during daylight hours, unless specific approval to start during other hours is obtained from the AO. However, DSTs may be allowed to continue at night if the test was initiated during daylight hours and the rate of flow is stabilized and if adequate lighting is available (i.e., lighting which is adequate for visibility and vaporproof for safe operations). Packers can be released, but tripping should not begin before daylight unless prior approval is obtained from the AO.

A cement bond log (CBL) will be run from the production casing shoe to top of the cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.

Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (Form 3160-4) will be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3164. Two copies of all logs, core descriptions, core analyses, well-test data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with Form 3160-4. Samples (cuttings, fluids, and/or gases) will be submitted when requested by the AO.

6. Notifications of Operations

No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of the AO. If operations are to be suspended, prior approval of the AO will be obtained and notification given before resumption of operations.

Operator shall report production data to MMS pursuant to 30 CFR 216.5 using form MMS/3160.

Immediate Report: Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be promptly reported in accordance with the requirements of NTL-3A or its revision.

If a replacement rig is contemplated for completion operations, a "Sundry Notice" (Form 3160-5) to that effect will be filed, for prior approval of the AO, and all conditions of this approved plan are applicable during all operations conducted with the replacement rig.

The date on which production is commenced or resumed will be construed for oil wells as the date on which liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated or, the date on which liquid hydrocarbons are first produced into a permanent storage facility, whichever first occurs; and, for gas wells as the date on which associated liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated or, the date on which gas is first measured through permanent metering facilities, whichever first occurs.

Should the well be successfully completed for production, the AO will be notified when the well is placed in a producing status. Such notification will be sent by telegram or other written communication, not later than five (5) days following the date on which the well is placed on production.

Gas produced from this well may not be vented or flared beyond an initial authorized test period of 30 days or 50 MMCF following its completion, whichever occurs first, without the prior written approval of the Authorized Officer. Should gas be vented or flared without approval beyond the authorized test period, the operator may be directed to shut-in the well until the gas can be captured or approval to continue venting or flaring as uneconomic is granted and the operator shall be required to compensate the lessor for that portion of the gas vented or flared without approval which is determined to have been avoidably lost.

A schematic facilities diagram as required by 43 CFR 3162.7-2, 3162.7-3, and 3162.7-4 shall be submitted to the appropriate District Office within thirty (30) days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with 43 CFR 3162.7-4.

No well abandonment operations will be commenced without the prior approval of the AO. In the case of newly drilled dry holes or failures, and in emergency situations, oral approval will be obtained from the AO. A "Subsequent Report of Abandonment" Form 3160-5, will be filed with the AO within thirty (30) days following completion of the well for abandonment. This report will indicate where plugs were placed and the current status of surface restoration. Final abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the AO or his representative, or the appropriate Surface Managing Agency.

7. Other Information

All loading lines will be placed inside the berm surrounding the tank battery.

All off-lease storage, off-lease measurement, or commingling onlease or off-lease will have prior written approval from the AO.

The oil and gas measurement facilities will be installed on the well location. The oil and gas meters will be calibrated in place prior to any deliveries. Tests for meter accuracy will be conducted on initial meter installations and at least quarterly thereafter. The AO will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports will be submitted to the Vernal Field Office. All meter measurement facilities will conform with Onshore Oil & Gas Order No. 4 for liquid hydrocarbons and Onshore Oil & Gas Order No. 5 for natural gas measurement.

The use of materials under BLM jurisdiction will conform to 43 CFR 3610.2-3.

There will be no deviation from the proposed drilling and/or workover program without prior approval from the AO. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended, or abandoned will be identified in accordance with 43 CFR 3162.

"Sundry Notice and Report on Wells" (Form 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43 CFR 3162.3-2. Section 102(b)(3) of the Federal Oil and Gas Royalty Management Act of 1982, as implemented by the applicable provisions of the operating regulations at Title 43 CFR 3162.4-1(c), requires that "not later than the 5th business day after any well begins production on which royalty is due anywhere on a lease site or allocated to a lease site, or resumes production in the case of a well which has been off production for more than 90 days, the operator shall notify the authorized officer by letter or sundry notice, Form 3160-5, or orally to be followed by a letter or sundry notice, of the date on which such production has begun or resumed."

If you fail to comply with this requirement in the manner and time allowed, you shall be liable for a civil penalty of up to $10,000 per violation for each day such violation continues, not to exceed a maximum of 20 days. See Section 109(c)(3) of the Federal Oil and Gas Royalty Management Act of 1982 and the implementing regulations at Title 43 CFR 3162.4-1(b)(5)(ii).

APD approval is valid for a period of one (1) year from the signature date. An extension period may be granted, if requested, prior to the expiration of the original approval period.

In the event after-hours approvals are necessary, please contact one of the following individuals:

Ed Forsman (801) 789-7077
Petroleum Engineer

Wayne P. Bankert (801) 789-4170
Petroleum Engineer

Jerry Kenczka (801) 789-1190
Petroleum Engineer

BLM FAX Machine (801) 781-4410

EPA'S LIST OF NONEXEMPT EXPLORATION AND PRODUCTION WASTES

While the following wastes are nonexempt, they are not necessarily hazardous.

Unused fracturing fluids or acids

Gas plant cooling tower cleaning wastes

Painting wastes

Oil and gas service company wastes, such as empty drums, drum rinsate, vacuum truck rinsate, sandblast media, painting wastes, spend solvents, spilled chemicals, and waste acids

Vacuum truck and drum rinsate from trucks and drums, transporting or containing nonexempt waste

Refinery wastes

Liquid and solid wastes generated by crude oil and tank bottom reclaimers

Used equipment lubrication oils

Waste compressor oil, filters, and blowdown

Used hydraulic fluids

Waste solvents

Waste in transportation pipeline-related pits

Caustic or acid cleaners

Boiler cleaning wastes

Boiler refractory bricks

Incinerator ash

Laboratory wastes

Sanitary wastes

Pesticide wastes

Radioactive tracer wastes

Drums, insulation and miscellaneous solids.

SURFACE USE PROGRAM

-Access roads and surface disturbing activities will conform to standards outlined in the Bureau of Land Management and Forest Service publication: Surface Operating Standards for Oil and Gas Exploration and Development, (1989).

The road shall be constructed/upgraded to meet the standards of the anticipated traffic flow and all-weather road requirements. Construction/upgrading shall include ditching, draining, and crowning (2 to 3%). Graveling or capping the roadbed will be required as necessary to provide a well constructed safe road. Prior to construction/upgrading, the proposed road surface or existing road shall be cleared of any snow cover and allowed to dry completely. Traveling off the 30 foot right-of-way will not be allowed. Should mud holes develop, they shall be filled in to prevent detours . Road drainage crossings shall be of the typical dry creek drainage crossing type. Crossings shall be designed so they will not cause siltation or accumulation of debris in the drainage crossing nor shall the drainage be blocked by the roadbed. Erosion of drainage ditches by runoff water shall be prevented by diverting water off at frequent intervals by means of cutouts. Upgrading shall not be allowed during muddy conditions. When snow is removed from the road during the winter months, the snow should be pushed outside of the burrow ditches and the turn outs should be kept clear so that when the snow melts the water will be channeled away from the road.

When the reserve pit is reclaimed, then the unused portion of the well pad will also be reclaimed. Topsoil from the stockpile will be spread over the unused portion of the well pad (outside the deadman anchors and the reserve pit area).

Needle and thread	Stipa comata	3 lbs/acre
Shadscale	Atriplex confertifolia	3 lbs/acre
Fourwing Saltbrush	Atriplex canescens	4 lbs/acre
Galleta	Hilaria jamesii	2 lbs/acre

All poundage are in pure live seed. If the seed mixture is applied aerially, then the rates should be doubled. The reseeding shall be done immediately after the topsoil is spread.

All permanent (on location for six months or longer) facilities constructed or installed (including pumping units) will be painted a flat, non-reflective earthtone color to match one of the standard environmental colors, as determined by the Rocky Mountain Five State Interagency Committee. The required color is Carlsbad Canyon (2.5Y 6/2 Munsell Soil Color Chart).

All pits will be fenced according to the following minimum standards:
39-inch net wire shall be used with at least one strand of barbed wire on top of the net wire (If pipe or some type of reinforcement rod is attached to the top of the entire fence, the barbed wire is not necessary.)
The net wire shall be no more than 2 inches above the ground. The barbed wire shall be 3 inches above the net wire. Total height of the fence shall be at least 42 inches.
Corner posts shall be braced in such a manner as to keep the fence tight at all times.

Standard steel, wood, or pipe posts shall be used between the corner braces. Maximum distance between any two posts shall not exceed 16 feet.
All wire shall be stretched by using a stretching device before it is attached to the corner posts.
The reserve pit will be fenced on three sides during drilling operations and on the fourth side when the rig moves off location. Fences around existing pits will be maintained until the pit reclamation operations occur and the pits are backfilled.
If historic or archaeological materials are uncovered during construction, the operator is to immediately stop work that might further disturb such materials, and contact the authorized officer of the BLM regarding the discovery for guidance regarding mitigation requirements.

The operator will control noxious weeds along rights-of-way for roads, pipelines, well sites, or other applicable facilities. On BLM land it is required that a Pesticide Use Proposal shall be submitted,and receive approval, prior to the application of herbicides or other pesticides or possible hazardous chemicals.

All lease and/or unit operations will be conducted in a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approve plan of operations, and any applicable Notice to Lessees. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished to the operator's field representative to ensure compliance. A complete copy of the approved APD shall be on location during construction of the location and drilling activities.

State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor
Ted Stewart
Executive Director
James W. Carter
Division Director

1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801
801-538-5340
801-359-3940 (Fax)
801-538-7223 (TDD)

November 6, 1997

Mr. J. T. Connely
Chevron U.S.A. Production Company, Inc.
11002 East 17500 South
Vernal, Utah 84078-8526

Re: Red Wash Unit 301, 261, 268 and 283 Wells.

Dear John:

Enclosed please find a copy of the public notice for the above referenced wells. The applications have been reviewed and are technically complete. Administrative approval may be granted to convert these wells to injection wells after a 15 day notice period.

Please fill out a complete UIC Form 1 for each well to complete the application.

If you have any questions please call me at 801-538-5338.

Sincerely,

Dan Jarvis
UIC Geologist

Enclosure
lwp

34 5 13 44 56

State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor
Ted Stewart
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1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801
801-538-5340
801-359-3940 (Fax)
801-538-7223 (TDD)

November 6, 1997

Newspaper Agency Corporation
Legal Advertising
PO Box 45838
Salt Lake City, Utah 84145

Re: Notice of Agency Action - Cause No. UIC-198

Gentlemen:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please send proof of publication and billing to the Division of Oil, Gas and Mining, 1594 West North Temple, Suite 1210, P.O. Box 145801, Salt Lake City, Utah 84114-5801.

Sincerely,

Larraine Platt

Larraine Platt
Secretary

Enclosure

State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor
Ted Stewart
Executive Director
James W. Carter
Division Director

1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801
801-538-5340
801-359-3940 (Fax)
801-538-7223 (TDD)

November 6, 1997

Vernal Express
P.O. Box 1000
54 North Vernal Avenue
Vernal, Utah 84078-1000

Re: Notice of Agency Action - Cause No. UIC-198

Gentlemen:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please send proof of publication and billing to the Division of Oil, Gas and Mining, 1594 West North Temple, Suite 1210, P.O. Box 145801, Salt Lake City, Utah 84114-5801.

Sincerely,

Larraine Platt

Larraine Platt
Secretary

Enclosure

143 SOUTH MAIN ST.
P.O.BOX 45838
SALT LAKE CITY, UTAH 84145
FED.TAX I.D.# 87-0217663

New paper Agency Corpora on
The Salt Lake Tribune (NAC) DESERET NEWS

CUSTOMER'S COPY

PROOF OF PUBLICATION

CUSTOMER NAME AND ADDRESS	ACCOUNT NUMBER	DATE
DIV OF OIL, GAS & MINING 355 WEST NORTH TEMPLE 3 TRIAD CENTER #350 SLC, UT 84180	D5385340L-07	11/11/97

OTICE OF AGENCY ACTION
CAUSE NO. UIC-198
BEFORE THE DIVISION OF
OIL, GAS AND MINING
DEPARTMENT OF NATURAL
ESOURCES, STATE OF UTAH

THE MATTER OF THE APPLICA-
N OF CHEVRON U.S.A. PRO-
CTION COMPANY, INC. FOR
MINISTRATIVE APPROVAL OF
RED WASH UNIT 301, 261, 268
D 283 WELLS LOCATED IN
CTIONS 15, 17 AND 18, TOWN-
P 7 SOUTH, RANGE 23 EAST,
M., UINTAH COUNTY, UTAH, AS
LASS II INJECTION WELLS.

: STATE OF UTAH TO ALL PER-
NS INTERESTED IN THE ABOVE
TITLED MATTER.

Notice is hereby given that
Division of Oil, Gas and Min-
(the "Division") is commenc-
an informal adjudicative
oceeding to consider the ap-
cation of Chevron U.S.A. Pro-
ction Company, Inc. for ad-
nistrative approval of the Red
ash Unit 301, 261, 268 and 283
ells, located in Section 15, 17
nd 18, Township 7 South,
ange 23 East, S.L.M., Uintah
ounty, Utah, for conversion to
lass II injection wells. The pro-
eeding will be conducted in
ccordance with Utah Admin.
649-10, Administrative Proce-
ures.

The interval from 5042 feet to
110 feet (Green River Forma-
on) will be selectively perforat-
d for water injection. The max-
um injection pressure will be
stablished for each well
ased on fracture gradient in-
rmation submitted by the op-
rator.

Any person desiring to object
the application or otherwise
ntervene in the proceeding,
ust file a written protest or no-
ce of intervention with the Divi-
on within fifteen days follow-
ng publication of this notice. If
uch a protest or notice of inter-
ention is received, a hearing
ill be scheduled before the
oard of Oil, Gas and Mining.
rotestants and/or intervenors
hould be prepared to demon-
trate at the hearing how this
natter affects their interests.

DATED this 6th day of Novem-
er 1997.

STATE OF UTAH
DIV. OF OIL, GAS AND MINING
s/ John R. Baza
Associate Director
17820090

ACCOUNT NAME	
DIV OF OIL, GAS & MINING	
TELEPHONE	INVOICE NUMBER
801-538-5340	TLB78200971
SCHEDULE	
START 11/11/97 END 11/11/97	
CUST. REF. NO.	
UIC-198	
CAPTION	
NOTICE OF AGENCY ACTIONCAUSE N	
SIZE	
75 LINES 1.00 COLUMN	
TIMES	RATE
1	1.64
MISC. CHARGES	AD CHARGES
.00	123.00
	TOTAL COST
	123.00

2871 NOA's

AFFIDAVIT OF PUBLICATION

AS NEWSPAPER AGENCY CORPORATION LEGAL BOOKKEEPER, I CERTIFY THAT THE ATTACHED ADVERTISEMENT OF NOTICE OF AGENCY ACTIONCAUSE N FOR DIV OF OIL, GAS & MINING WAS PUBLISHED BY THE NEWSPAPER AGENCY CORPORATION, AGENT FOR THE SALT LAKE TRIBUNE AND DESERET NEWS, DAILY NEWSPAPERS PRINTED IN THE ENGLISH LANGUAGE WITH GENERAL CIRCULATION IN UTAH, AND PUBLISHED IN SALT LAKE CITY, SALT LAKE COUNTY IN THE STATE OF UTAH.

PUBLISHED ON START 11/11/97 END 11/11/97

SIGNATURE Jeanne Mooney

DATE 11/11/97

NOTARY PUBLIC
JOANNE MOONEY
2303 Hartford St.
Salt Lake City, UT 84106
My Commission Expires

THIS IS NOT A STATEMENT BUT A "PROOF OF PUBLICATION"
PLEASE PAY FROM BILLING STATEMENT.

Chevron U.S.A. Production Company, Inc.
Red Wash Unit 301, 261, 268 and 283 Wells
Cause No. UIC-198

Publication Notices were sent to the following:

Chevron U.S.A. Production Company, Inc.
John Connely
11002 East 17500 South
Vernal, Utah 84078

Newspaper Agency Corporation
Legal Advertising
PO Box 45838
Salt Lake City, Utah 84145

Vernal Express
P.O. Box 1000
54 North Vernal Avenue
Vernal, Utah 84078

Vernal District Office
Bureau of Land Management
170 South 500 East
Vernal, Utah 84078

U.S. Environmental Protection Agency
Region VIII
Attn. Dan Jackson
999 18th Street
Denver, Colorado 80202-2466

Larraine Platt
Secretary
November 6, 1997

BEFORE THE DIVISION OF OIL, GAS AND MINING
DEPARTMENT OF NATURAL RESOURCES
STATE OF UTAH

---ooOoo---

IN THE MATTER OF THE APPLICATION OF CHEVRON U.S.A. PRODUCTION COMPANY, INC. FOR ADMINISTRATIVE APPROVAL OF THE RED WASH UNIT 301, 261, 268 AND 283 WELLS LOCATED IN SECTIONS 15, 17 AND 18, TOWNSHIP 7 SOUTH, RANGE 23 EAST, S.L.M., UINTAH COUNTY, UTAH, AS CLASS II INJECTION WELLS	:	NOTICE OF AGENCY ACTION CAUSE NO. UIC-198

---ooOoo---

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of Chevron U.S.A. Production Company, Inc. for administrative approval of the Red Wash Unit 301, 261, 268 and 283 wells, located in Sections 15, 17 and 18, Township 7 South, Range 23 East, S.L.M., Uintah County, Utah, for conversion to Class II injection wells. The proceeding will be conducted in accordance with Utah Admin. R.649-10, Administrative Procedures.

The interval from 5042 feet to 5810 feet (Green River Formation) will be selectively perforated for water injection. The maximum injection pressure will be established for each well based on fracture gradient information submitted by the operator.

Any person desiring to object to the application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days following publication of this notice. If such a protest or notice of intervention is received, a hearing will be scheduled before the Board of Oil, Gas and Mining. Protestants and/or intervenors should be prepared to demonstrate at the hearing how this matter affects their interests.

Dated this 6th day of November 1997.

STATE OF UTAH
DIVISION OF OIL, GAS & MINING

John R. Baza
Associate Director

PROOF OF PUBLICATION

STATE OF UTAH,

} SS.

County of Uintah

I, SHEILA S. WHEELER,

being duly sworn, depose and say, that I am the Business Manager of The Vernal Express, a weekly newspaper of general circulation, published each week at Vernal, Utah, that the notice attached hereto was published in said newspaper

for 1 publications,

the first publication having been made on

the 12th day of November, 1997 and the

last on the 12th day of November, 1997,

that

said notice was published in the regular and entire issue of every number of the paper during the period and times of publication, and the same was published in the newspaper proper and not in a supplement.

By.....
Manager

Subscribed and sworn to before me, this 12th day of November A.D. 1997.

.....
Notary Public, Residence, Vernal, Utah

JACK R WALLIS
Notary Public
State of Utah
My Comm. Expires Jun 18, 2001
P O Box 1000 Vernal UT 84078

NOTICE OF AGENCY ACTION CAUSE NO. UIC-198 BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT OF NATURAL RESOURCES STATE OF UTAH

IN THE MATTER OF THE APPLICATION OF CHEVRON U.S.A. PRODUCTION COMPANY, INC. FOR ADMINISTRATIVE APPROVAL OF THE RED WASH UNIT 301, 261, 268 AND 283 WELLS LOCATED IN SECTIONS 15, 17 AND 18, TOWNSHIP 7 SOUTH, RANGE 23 EAST, S.L.M., UINTAH COUNTY, UTAH, AS CLASS II INJECTION WELLS.

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER,

Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of Chevron U.S.A. Production Company, Inc., for administrative approval of the Red Wash Unit 301, 261, 268 and 283 wells, located in Sections 15, 17 and 18, Township 7 South, Range 23 East, S.L.M., Uintah County, Utah, for conversion to Class II injection wells. The proceeding will be conducted in accordance with Utah Admin. R.649-10, Administrative Procedures.

The interval from 5042 feet to 5810 feet (Green River Formation) will be selectively perforated for water injection. The maximum injection pressure will be established for each well based on fracture gradient information submitted by the operator.

Any person desiring to object to the application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days following publication of this notice. If such a protest or notice of intervention is received, a hearing will be scheduled before the Board of Oil, Gas and Mining. Protestants and/or intervenors should be prepared to demonstrate at the hearing how this matter affects their interests.

Dated this 6th day of November 1997.

STATE OF UTAH
DIVISION OF OIL, GAS & MINING
JOHN R. BAZA,
Associate Director

Published in the Vernal Express Nov. 12, 1997.

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

APPLICATION FOR INJECTION WELL - UIC FORM 1

OPERATOR: **CHEVRON USA PRODUCTION CO., INC.**
ADDRESS: **11002 EAST 17500 SOUTH**
VERNAL, UT 84078-8526

(801) 781-4300

WELL NAME AND NUMBER:	**RED WASH UNIT #283 (43-18B)**
FIELD OR UNIT NAME:	**RED WASH UNIT**
WELL LOCATION:	**NESE-SEC. 18-T7S-R23E, SLBM**

Is this application for expansion of an existing project?		**[X] Yes**	**[ ] No**
Will the proposed well be used for:	Enhanced Recovery?	**[X] Yes**	**[ ] No**
	Disposal?	**[ ] Yes**	**[X] No**
	Storage?	**[ ] Yes**	**[X] No**
Is this application for a new well to be drilled?		**[X] Yes**	**[ ] No**
If this application is for and existing well, has a casing test been performed on the well?		**[ ] Yes**	**[ ] No**
Date of test:			
API Number:			

Proposed Injection Interval: from **5583'** to **5810'**

Proposed maximum injection: **Rate N/A** **Pressure 1937** **psig**

Proposed injection zone contains **[X]** oil, **[X]**gas and/or **[ ]** fresh water within 1/2 mile of the well.

IMPORTANT: Additional information as required by R649-5-2 should accompany this form.

List of Attachments: Copy of EPA UIC application package previously submitted.

I certify that this report is true and complete to the best of my knowledge.

Name: **J. T. Conley** Signature J T Conley

Title: **Red Wash Asset Team Leader** Date 11-25-97

Phone No. **(801)781-4301**

(State use only)
Application approved by _____ Title _____
Approval Date _____

DIVISION OF OIL, GAS AND MINING
UNDERGROUND INJECTION CONTROL PROGRAM

PERMIT
STATEMENT OF BASIS

Applicant: Chevron USA **Well:** RWU [redacted] and 268

Location: 17and 18/7S/23E **API:** 43-013-

Ownership Issues: The proposed wells are located on BLM land. All lands in the one-half mile radius of the well are owned by the BLM. Leases in the one-half mile radius are held by various individuals and companies.

Well Integrity: The proposed wells are the RWU 268 2nd 283. These wells have not been drilled at this time. It is proposed to set an 8 5/8 inch surface casing at approximately 360 feet and cement it to surface. A 5 ½ inch production casing will be set at approximately 6000 feet and is anticipated to cement this string to surface. A cement bond log will be run to verify all cement tops. Remedial cement work will be conducted if the need arises, A 2 7/8 inch tubing with a series of packers and injection mandrels will be set to allow vertical control of injection volumes. A mechanical integrity test will be run on the well prior to injection. There are 6 producing wells one injection well and 2 proposed producers in the area of review. The existing wells have adequate casing and cement. The two proposed wells will be constructed to assure that no migration of fluid will occur. No corrective action will be required on the proposed injector or the existing producers if properly cemented.

Ground Water Protection: The base of moderately saline water is at a depth of approximately sea level in the Green River Formation. The Green River Formation has been exempted as a USDW. Injection shall be limited to the interval between ~5519-5809 feet in the 268 well and ~5583-5810 feet in the 283 well in the Green River Formation. The confining interval above the injection zone consists of tight, moderately calcareous sandy lacustrine shale from 5483 feet to the top of the injection zone. A water analysis submitted by Chevron from the Red Wash injection station indicates that the water to be injected into the formation is approximately 9100 ppm total dissolved solids. The injection zone does not contain any water and is not considered a USDW. Information submitted by Chevron indicates that the fracture gradient for the injection zone in the Red wash field has been established at .78 psi/ft. The resulting fracture pressure at the proposed uppermost perforation at 5519 feet in the 268 well will be 1893 psi. and 1937 psi. In the 283 well. Injection at these pressures should not initiate any new fractures or propagate existing fractures in the adjacent confining intervals. Any ground water present should be adequately protected.

Oil/Gas& Other Mineral Resources Protection: This well is located in the existing Red Wash Unit Area. Correlative rights issues and other interests Have been addressed at the time the unit was approved by the Board of Oil, Gas and Mining. In review of the information submitted to the
Board it appears that the expansion will increase ultimate recovery and will protect the interests of all owners.

Bonding: The wells are located on Federal land and proper bonds are held by the BLM.

Actions Taken and Further Approvals Needed: A notice of agency action will be sent to the Salt Lake Tribune and the Vernal Express (UIC-). This notice addresses the request to convert these wells along with two other proposed wells in the Red Wash Unit. It is recommended that approval be granted to convert the wells to injection predicated on information submitted in the application. Approval should be granted in accordance with information submitted by Chevron in there application for conversion. A casing pressure test should be conducted at the time of conversion and a casing/tubing pressure test should be conducted prior to injection. Bond logs will be required for the two new wells and will be evaluated to determine if remedial work is needed. Additionally a request will be made to Chevron to submit a proper UIC form 1.

Note: Applicable technical publications concerning water resources in the general vicinity of this project have been reviewed and taken into consideration during the permit review process.

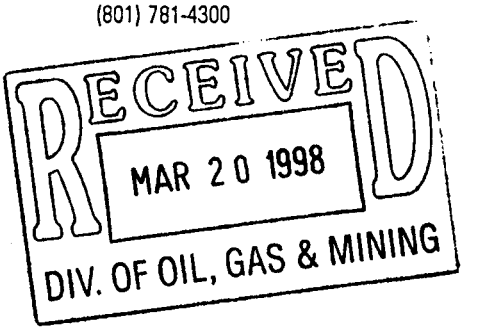
Reviewer(s): D.Jarvis Date: 10/1/97

Chevron

MARCH 11, 1998

MINOR PERMIT MODIFICATION REQUESTS
FRACTURE GRADIENT ASSIGNMENT
RED WASH UNIT

Chevron U.S.A. Production Co.
Rocky Mountain Profit Center
11002 East 17500 South
Vernal, UT 84078-8526
(801) 781-4300



MR. CHUCK WILLIAMS
UIC IMPLEMENTATION SECTION
UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION VIII
999 18th STREET - SUITE 500
DENVER, CO 80202-2466
8P2-W-GW

Dear Mr. Williams:

Based on January 1998 step-rate data from several Red Wash Unit wells, Sharon L. Kercher, Director, Technical Enforcement Program, approved the use of a 0.81 psi/ft. fracture gradient in the calculation of maximum surface injection pressure for rule authorized wells in the Unit. Ms. Kercher's February 18, 1998 letter stated that this authorization does not apply to any wells in Red Wash Unit with individual UIC Permits. Please recall that a value of 0.78 psi/ft. was assigned to Red Wash Unit several years ago and has been used in all UIC Permit Applications since. Given recent step-rate data, we believe a value of 0.81 psi/ft. should be assigned to all water injectors in Red Wash Unit and respectfully request several minor permit modifications to reflect this change. The following permits are involved:

S. 18 T. 7S R. 23E

Well	EPA ID#	Water S.G.	Top Perf. ft.	Max. Surface Pressure, psi	
RWU #17	UT2810-04346	1.015	5572	2064	43-047-15146
RWU #52	UT2811-04347	1.0071	5660	2116	43-047-15178
RWU #258	UT2812-04348	1.025	5507	2016	43-047-30458
RWU #261	UT2835-04402	1.015	5655	2095	43-047-32739
RWU #268	UT2832-04399	1.015	5573	2064	43-047-32980
RWU #283	UT2833-04400	1.0071	5583 (est.)	2087	43-047-32982
RWU #301	UT2834-04401	1.015	5090	1886	43-047-31682

Please note that water specific gravities relate to the injection station each well will be tied to. Details can be found in our 1997 UIC Annual Monitoring Report, which was previously submitted. If you need additional information, please call S. D. McPherson at (435) 781-4310.

Sincerely,

J. T. CONLEY
RED WASH ASSET TEAM LEADER

cc Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
P. O. Box 145801
Salt Lake City, UT 84114-5801
Attn. Mr. Gil Hunt

U.S Department of the Interior
Bureau of Land Management
Vernal District Office
170 South 500 East
Vernal, UT 84078

(1)

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
DRILLING INSPECTION FORM

OPERATOR: CHEVRON USA COMPANY REP: MITCH DUBOSE

WELL NAME RED WASH UNIT #283 API NO 43-047-32982

QTR/QTR: NE/SE SECTION: 18 TWP: 7S RANGE: 23E

CONTRACTOR: COLORADO WELL SERVICE RIG NUMBER: 78

INSPECTOR: DAVID HACKFORD TIME: 2:15 PM DATE: 4/2/98
SPUD DATE: DRY: 3/20/98 ROTARY: 3/29/98 PROJECTED T.D.: 5990'

OPERATIONS AT TIME OF VISIT: DRILLING 7 7/8" HOLE AT 4520'.

WELL SIGN: Y MUD WEIGHT 9.5 LBS/GAL BOPE: Y

BLOOIE LINE: N FLARE PIT: Y H2S POTENTIAL: Y

ENVIRONMENTAL:

RESERVE PIT: Y FENCED: Y LINED: Y PLASTIC: Y

RUBBER: N BENTONITE: N SANITATION: Y

BOPE TEST RECORDED IN THE RIG DAILY TOUR BOOK: Y

REMARKS:

SURVEY AT 4000' WAS 3/4 DEGREES. DRILLING WITH LOW SOLIDS NON-DISPERSED DRILLING MUD, 9.5 MUD WEIGHT 38 VIS 18% LCM. H2S EQUIPMENT ON LOCATION INCLUDING WIND SOCKS, STAGING AREAS, ESCAPE PACKS AND CASCADE SYSTEM. NIPPLED UP WITH DOUBLE GATE, ANNULAR, ROTATING HEAD, GAS BUSTER, HYDRAULIC CHOKE. 2800 PSI ON ACCUMULATOR. 360' OF 8 5/8" SURFACE PIPE HAS BEEN SET AND CEMENTED. REMOTE CLOSING UNIT ON FLOOR AND FUNCTIONAL.

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Company: CHEVRON USA

Well Name: RED WASH UNIT 283 (43-18B)

Api No. 43-047-32982

Section 18 Township 7S Range 23E County UINTAH

Drilling Contractor _____

Rig # ___

SPUDDED:

Date 3/20/98

Time _____

How DRY HOLE

Drilling will commence _____

Reported by TOMMY HUFFORD

Telephone # 1-435-790-1223

Date: 3/19/98 Signed: MKH

Form 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir
Use "APPLICATION FOR PERMIT--" for such proposals

SUBMIT IN TRIPLICATE

5. Lease Designation and Serial No.
U-0116

6. If Indian, Allottee or Tribe Name
N/A

7. If Unit or CA, Agreement Designation
RED WASH UNIT

1. Type of Well
Oil Well [ ] Gas Well [ ] [X] Other WATER INJECTOR

8. Well Name and No.
RED WASH UNIT 283 (43-18B)

2. Name of Operator
CHEVRON U.S.A. PRODUCTION COMPANY

9. API Well No.
43-047-32982

3. Address and Telephone No
11002 E. 17500 S. VERNAL, UT 84078-8526 **(801) 781-4300**

10. Field and Pool, or Exploratory Area
RED WASH - GREEN RIVER

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1899' FSL, 708' FEL, NE SE, S 18, T7S, R23E SLBM

11. County or Parish, State
UINTAH, UTAH

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

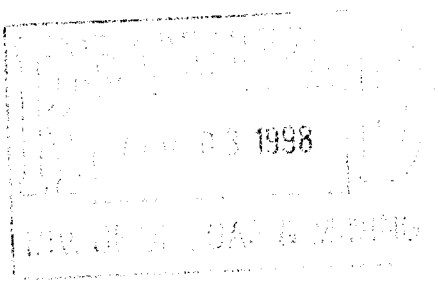
TYPE OF SUBMISSION	TYPE OF ACTION	
[ ] Notice of Intent	[ ] Abandonment	[ ] Change of Plans
[X] Subsequent Report	[ ] Recompletion	[ ] New Construction
[ ] Final Abandonment Notice	[ ] Plugging Back	[ ] Non-Routine Fracturing
	[ ] Casing Repair	[ ] Water Shut-Off
	[ ] Altering Casing	[ ] Conversion to Injection
	[X] Other **SPUD DATE**	[ ] Dispose Water

(Note) Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work)

THIS WELL WAS SPUD ON 3/23/1998. SET 8 5/8" CASING TO 375'.

ED FORSMAN WITH BLM AND MIKE HEBERTSON WITH UTAH OIL AND GAS WERE GIVEN VERBAL NOTIFICATION.



14. I hereby certify that the foregoing is true and correct.
Signed **D. C. TANNER** D C Tanner Title **COMPUTER SYSTEMS OPERATOR** Date **4/1/98**

(This space for Federal or State office use)

Approved by: Title Date

Conditions of approval, if any

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

***See instruction on Reverse Side**

State of Utah
Division of Oil, Gas and Mining

OPERATOR ACCT. No. N0210

OPERATOR: **Chevron USA Production Company**
ADDRESS: **11002 East 17500 South**
Vernal, Utah 84078-8526 **(801)781-4300**

ENTITY ACTION FORM - FORM 6

Action Code	Current Entity No.	New Entity No.	API Number	Well Name	QQ	SC	TP	RG	County	Spud Date	Effective Date
B	**05670** →		**43-047-32982**	**Red Wash Unit 283**	**SE SE**	**18**	**7S**	**23E**	**Uintah**	**03/23/1998**	

WELL 1 COMMENTS:
New well to be drilled in Red Wash Unit. Entity added 4-3-98. fec (B Serv P.A.)

WELL 2 COMMENTS:

WELL 3 COMMENTS:

WELL 4 COMMENTS:

WELL 5 COMMENTS:

ACTION CODES (See instructions on back of form)
- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected

(3/89)

D C Tanner
Signature

Computer Systems Opr .04/01/1998
Title Date

Phone No. **(801) 781-4300**

1998

Chevron

Chevron

APRIL 29, 1998

RECEIVED
MAY 04 1998
DIV. OF OIL, GAS & MINING

RWU #283 (43-18B))
UT2833-04400
RED WASH UNIT
UINTAH COUNTY, UTAH

Chevron U.S.A. Production Co.
Rocky Mountain Profit Center
11002 East 17500 South
Vernal, UT 84078-8526
(801) 781-4300

43-047-32982

MR. CHUCK WILLIAMS
UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION VIII
999 18th STREET - SUITE 500
DENVER, CO 80202-2466
8P2-W-GW

Dear Mr. Williams:

Enclosed, please find documentation detailing drilling and completion details for RWU #283, a new Class II ER water injector. We believe permit conditions have been satisfied and respectfully request authorization to commence injection. If you have any questions or need additional information, please contact Steven McPherson at (435) 781-4310.

Sincerely,

J. T. CONLEY
RED WASH ASSET TEAM LEADER

Enclosures

cc w/o logs

Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
P. O. Box 145801
Salt Lake City, UT 84114-5801
Attn. Mr. Gil Hunt

U.S Department of the Interior
Bureau of Land Management
Vernal District Office
170 South 500 East
Vernal, UT 84078

EPA

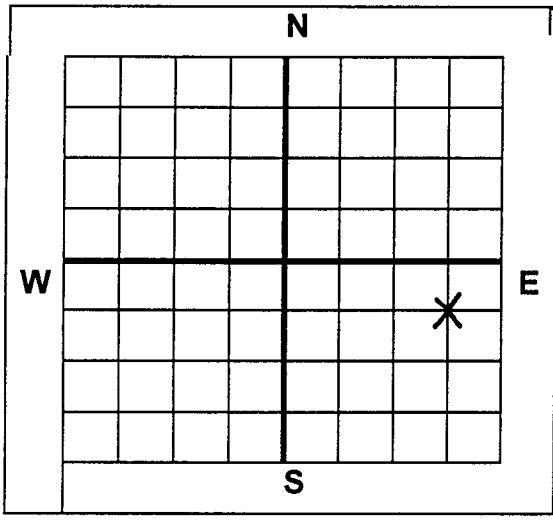
UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

COMPLETION REPORT FOR BRINE DISPOSAL, HYDROCARBON STORAGE, OR ENHANCED RECOVERY WELL

Form Approved
OMB No. 2040-0042
Approval expires 9-30-96

NAME AND ADDRESS OF EXISTING PERMITTEE	NAME AND ADDRESS OF SURFACE OWNER
CHEVRON USA PRODUCTION CO., INC. 11002 EAST 17500 SOUTH VERNAL, UT 84078-8526 (435) 781-4300	BUREAU OF LAND MANAGEMENT 170 SOUTH 500 EAST VERNAL, UT 84078

LOCATE WELL AND OUTLINE UNIT ON SECTION PLAT – 640 ACRES	STATE	COUNTY	PERMIT NUMBER
	UTAH	UINTAH	UT2833-04400



SURFACE LOCATION DESCRIPTION
NE ¼ OF SE ¼ SECTION 18 TOWNSHIP 7S RANGE 23E
LOCATE WELL IN TWO DIRECTIONS FROM NEAREST LINES OF QUARTER SECTION AND DRILLING UNIT
Surface Location: 1899' FSL and 708' FEL

WELL ACTIVITY	TYPE OF PERMIT	
☐ Brine Disposal	☒ Individual	Estimated Fracture Pressure
☒ Enhanced Recovery	☐ Area	of Injection Zone ~4525 PSI
☐ Hydrocarbon Storage	Number of Wells 1	

Anticipated Daily Injection Volume (Bbls.) ~500 BWPD		Injection Interval 5586' THROUGH 5793'	
Average 350	Maximum	Feet	to Feet
Anticipated Daily Injection Pressure (PSI) ~2000 PSI		Depth to Bottom of Lowermost Freshwater Formation (feet) ~5500'	
Average ~2000 PSI	Maximum 2089 PSI		

Type of Injection Fluids (*Check the appropriate block(s)*)
☐ Salt Water ☒ Brackish Water ☐ Fresh Water
☐ Liquid Hydrocarbon ☐ Other

Lease Name: RED WASH UNIT
Well Number: #283 (43-18B)
Name of Injection Zone: GREEN RIVER FORMATION
Permeability of Injection Zone: ~20-80 MD
Porosity of Injection Zone: ~12-18%
Date Drilling Began: 3/23/98
Date Drilling Completed: 4/8/98
Date Well Completed: 4/17/98

CASING AND TUBING			CEMENT		HOLE	
OD Size	Wt./ft.-Grade-New or Used	Depth	Sacks	Class	Depth	Bit Diameter
8-5/8"	24# K-55, NEW	375'	125	PREMIUM V	375'	11"
5-1/2"	15.5# K-55, NEW	5996'	310 SX. LEAD, 455 SX. TAIL	HI-FILL LEAD, PREMIUM AG TAIL	5996	7-7/8"

INJECTION ZONE STIMULATION		WIRELINE LOGS, LIST EACH TYPE	
Interval Treated	Materials and Amount Used	Log Types	Logged Intervals
5586-5793'	420 GAL. 15% HCl	GR-SP-INDUCTION	375-5974'
		GR-NEUTRON-DENSITY	2486-5953'
		GR-MRIL	4981-5945'

Complete Attachments A - E listed on the reverse.

CERTIFICATION

I certify under the penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. (Ref. 40 CFR 144.32).

NAME AND OFFICIAL TITLE *(Please type or print)*	SIGNATURE	DATE SIGNED
J. T. CONLEY RED WASH ASSET TEAM LEADER	J. T. Conley	4-30-98

RED WASH UNIT #283 (43-18B)
1899' FSL & 708' FEL
NESE-SEC.18-T7S-R23E
UINTAH COUNTY, UTAH

API#:	43-047-32982
LEASE NUMBER:	U-0116
EPA ID#:	UT2833-04400
KB ELEVATION:	5515'
GL: ELEVATION:	5501'
TD:	5996'
PBTD:	5949'

CASING DETAIL:

11" HOLE SIZE
8-5/8", 24#, K-55 @ 375' W/125 SX. PREMIUM V TO SURFACE

7-7/8" HOLE SIZE
5-1/2", 15.5#, K-55 @ 5996' W/310 SX. HI-FILL CLASS G LEAD; 455 SX. CLASS G TAIL. CIRCULATED 16 BBL. CEMENT TO SURFACE DURING JOB. CEMENT TOP @ ~250' BY CBL

TUBING DETAIL - REFER TO TOUR REPORTS, SINGLE PACKER LANDED AT 5530'

PERFORATION DETAIL: ALL 4 JSPF

5586-98'
5632-42'
5652-61'
5689-93'
5727-34'
5752-64'
5787-93'

RWU #268 (43-17B)
WELL HISTORY:

4/98: At completion, cleaned out to 5949' PBTD and ran CBL, finding cement top at ~250'. Perforated 5787-93', 5752-64', 5727-34', 5689-93', 5652-61', 5632-42' and 5586-98'. Tripped in with tools, spotted 420 gal. Of 15% HCl across all perforations, then isolated and broke down individual perforated intervals in six tool settings. Swabbed load volume with returns turning to oil at the end. Ran injection equipment, circulated packer fluid and landed tubing with packer at 5530'. Conducted successful MIT, ran bomb to determine static BHP. Ready to inject.

TOP EXPOSED PERFORATION:	**5586'**
PERMIT FRACTURE GRADIENT:	**0.81 PSI/FT.**
1998 FLUID S.G. (18B STATION):	**1.0071**
MAXIMUM SURFACE INJECTION PRESSURE:	**2089 PSI**

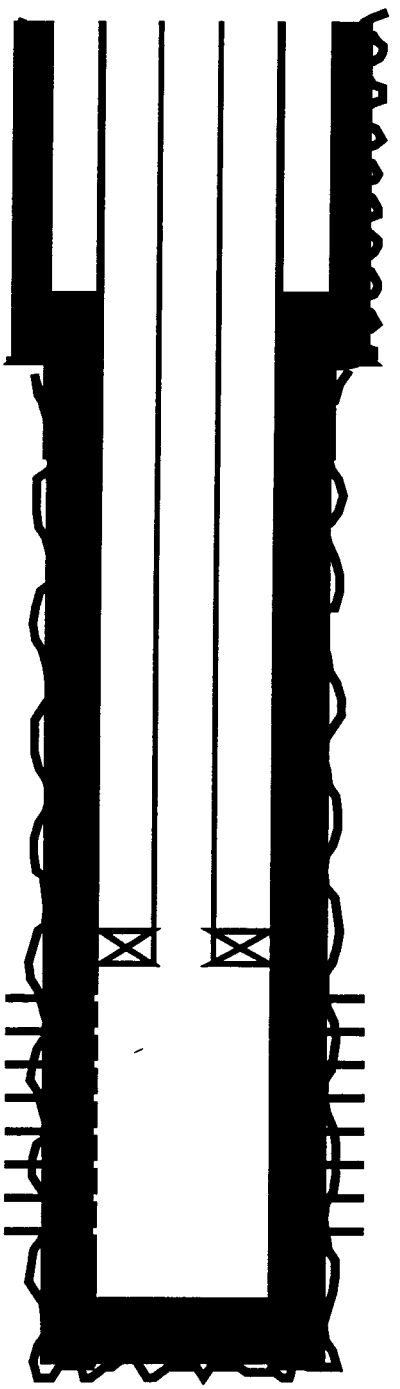
COMPLETED
WELLBORE DIAGRAM

WELL: RWU #283 (43-18B)
LOCATION: 1899' FSL, 708' FEL
NESE-SEC.18-T7S-R23E
UINTAH COUNTY, UTAH

KBE: 5515'
GLE: 5501'
TD: 5996'
PBTD: 5949'

LEASE: U-0016
API #: 43-047-32982
EPA ID#: UT2833-04400

CEMENT TOP @ ~250'
BY CBL



PBTD: 5949'
TD: 5996'

4/28/98

SURFACE HOLE & CASING:

HOLE SIZE:	11"
CSG. TYPE & SIZE:	8 5/8", 24# K-55, ST&C
SETTING DEPTH:	375'
CEMENT:	125 SX. PREMIUM V
CEMENT TOP:	SURFACE

GEOLOGIC MARKERS:

UINTA	SURFACE
GREEN RIVER	3193'
OIL SHALE	3921-3964'

INJECTION STRING:

2-7/8" INTERNALLY COATED
J-55 TUBING, SINGLE
LOKSET PACKER @ 5530'

PERFORATIONS - GREEN RIVER FORMATION:

5586-98'
5632-42'
5652-61'
5689-93'
5727-34'
5752-64'
5787-93'

PRODUCTION HOLE AND CASING:

HOLE SIZE:	7 7/8"
CSG. TYPE & SIZE:	5 1/2", 15.5# K-55, ST&C
SETTING DEPTH:	5996'
CEMENT:	310 SX. HI-FILL CLASS G LEAD 455 SX. CLASS G TAIL
CEMENT TOP:	~250' BY CBL

Mechanical Integrity Test
Casing or Annulus Pressure Test

U.S. Environmental Protection Agency
Undergrcund Injection Control Program, UIC Implementation Section, 8WM-DW
999 18th Street, Suite 500, Denver, CO 80202-2466

EPA Witness: N/A Date 4 / 17 /98 Time 2:00 am/pm

Test conducted by: Gudac Bros

Others present: Chuck Bowers, Mike Gudac, Ed Gudac (Gudac Bros Rig)
S.W. Kellett Chevron USA Inc.

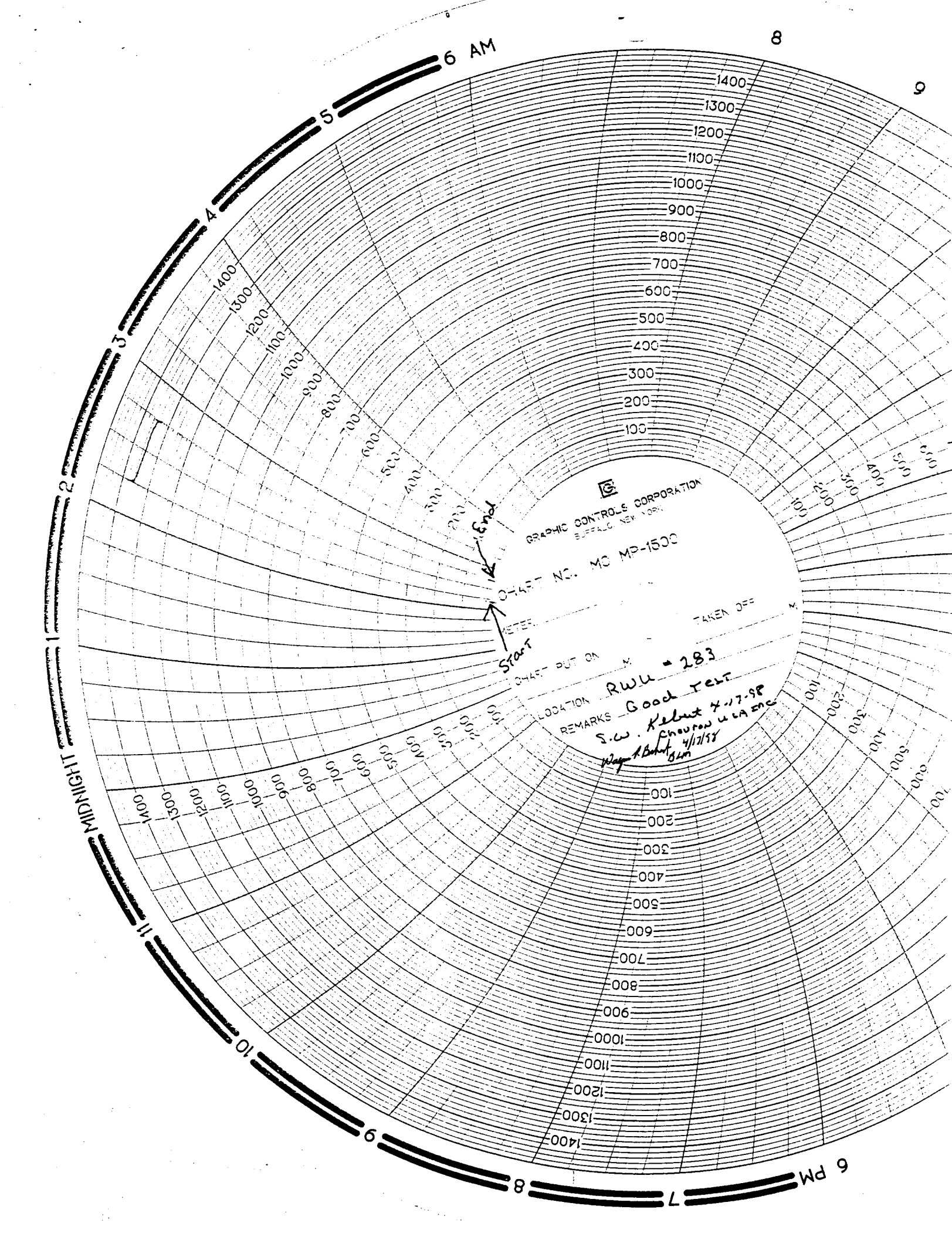
Well: RWU #283 (43-18B)	Well ID: UT 2833-04400
Field: Redwash	Company: Chevron USA INC
Well Location: NE/SE S-18 T-7S R-23E	Address: 11002 East 17500 South Vernal, UT. 84078

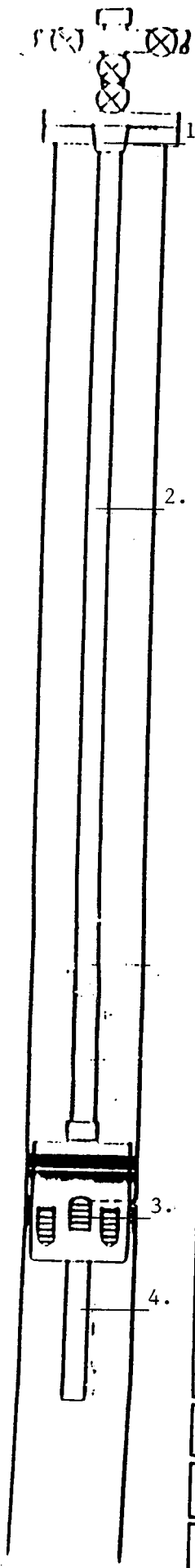
Time	Test #1	Test #2	Test #3
0 min	1425 psig	_____ psig	_____ psig
5	1425	_____	_____
10	1425	_____	_____
15	1425	_____	_____
20	1425	_____	_____
25	1425	_____	_____
30 min	1425	_____	_____
35	_____	_____	_____
40	_____	_____	_____
45	_____	_____	_____
50	_____	_____	_____
55	_____	_____	_____
60 min	_____	_____	_____
Tubing press	_____ psig	_____ psig	_____ psig
Result (circle)	Pass Fail	Pass Fail	Pass Fail

Signature of EPA Witness: Chevron USA Inc. S.W. Kellett 4-17-98 BLM VFO Wayne P. Bankert 4/17/98

See back of page for any additional comments & compliance followup.

This is the front side of two sides


6 AM
MIDNIGHT
6 PM
GRAPHIC CONTROLS CORPORATION
METER NO. MC MP-1500
REMARKS RWL = 283
Good Test
S.W. Kelbert 4-17-98
Chevron USA Inc
Wayne Burkett 4/17/98
Start
End



COMPANY	CHEVRON U.S.A.
WELL NAME & NUMBER	R.W.U.# 283 (43-18B)
FIELD	REDWASH
COUNTY	UINTAH
STATE	UTAH
DATE	04-17-98 ☐ NEW ☒ W.O.

	CASING	LINER	UPPER TUBING	LOWER TUBING
SIZE	5.5		2-7/8	
WEIGHT	15.5#		6.5#	
GRADE			J-55	
THREAD			E.U. 8rd	
DEPTH				

ITEM	DESCRIPTION	MAX. O.D. INCHES	MIN. I.D. INCHES	LENGTH FEET	DEPTH FEET
*	K.B.			14.00	
*	COMPRESSION 15,000#			-1.50	
1.	B.W.H.			.85	12.50
2.	(179)-Jnts 2-7/8 P.L. Tbg.E.U. 8rd.	3.668	2.374	5513.18	13.35
3.	BAKER Lok-Set PACKER 45B P.C. I.&E.	4.781	2.374	3.73	5526.53
4.	WIRELINE ENTRY GUIDE	3.668	2.374	.30	5530.26
					5530.56

PREPARED FOR: STEVE KEBERT

PREPARED BY	OFFICE	PHONE
REX McCARLEY	VERNAL , UTAH	(435)-789-5918

BAKER PACKERS
6023 NAVIGATION BOULEVARD
P.O. BOX 3048 • HOUSTON, TEXAS 77001
TELEPHONE (713) 923-9351 • TELEX 76-2833
A DIVISION OF BAKER OIL TOOLS GROUP, BAKER INTERNATIONAL CORPORATION

PRODUCTION LOGGING SERVICES, INC.
P.O. BOX 1043 / RANGELY, COLORADO 81648

STATIC PRESSURE SURVEY

COMPANY.....:	Chevron U.S.A. Inc.
FIELD.....:	Red Wash
WELL NO.....:	RWU 283
DATE.....:	04/17/98
KB ELEVATION:	N/A
GL ELEVATION:	N/A
DATUM.....:	5690' (Mid-Perf)
PERFS.....:	5586'-5793'
FLUID LEVEL...:	N/A
SHUT-IN DATE.:	N/A
PLS JOB NO....:	21452
SURFACE PRESSURE...:	**104.16 PSIG**
RAN GAUGE TO.....:	**5690.00**
MEASURED PRESSURE:	**2259.70 PSIG**

STOPS:	**DEPTH:**	**PRESSURE:**
	5690.00	**2259.70 PSIG**
	5000.00	**1988.31 PSIG**
	4000.00	**1598.76 PSIG**
	3000.00	**1203.86 PSIG**
	2000.00	**833.30 PSIG**
	1000.00	**471.21 PSIG**
	SURFACE	**104.16 PSIG**

RWU #268 (43-18B)
CEMENT BOND LOG DESCRIPTION:

The primary cement job for RWU #283 was designed to fill the wellbore/casing annulus from TD to surface using a "Hi-Fill" lightweight Class G lead slurry and a standard Class G tail slurry. Full circulation was achieved during the job and sixteen barrels were circulated to the pit. The slurry then fell slowly back down the annulus.

Overall bond integrity appears to be good for the tail slurry section. A free pipe value of ~29 mV was used. There is very little free pipe to view and that section above 250' does not display the definition expected, perhaps due to cement stringers in the annulus. The tail slurry baseline is ~98 mV and the 80% bond value is 84 mV. There are numerous scattered excursions slightly below the 80% line from PBTD to ~3600', only three of which exceed ten feet in length. The bond adjacent to the confining zone is excellent. Above ~3600', a transition into the lightweight lead cement begins. The value used for the lightweight baseline was 75 mV and represents two lengthy intervals in the lightweight section showing the highest values. The resulting 80% value is ~66 mV. Over half of the lightweight slurry section falls slightly below the 80% cutoff, with some intervals approaching free pipe. Overall bond in the lightweight slurry section is viewed to be moderate to marginal in quality. Given circulation characteristics during the job and the amount of cement circulated to the pit, one would expect to see better bond quality than this.

RWU #283 (43-18B)
DESCRIPTION OF INJECTION AND CONFINING ZONES:

The target injection interval is between the depths of 5586' and 5793'. It consists of sandstone interbedded with shales and tight carbonates.

The confining zone directly above the target injection interval extends from 5586' to 5553' (33'). It consists of shale with interbedded tight mudstones and carbonates. An additional 2360' of intervening strata lies between the top of the confining zone at 5553' and the top of the Green River Formation at 3193'. The intervening strata consists of tightly interbedded shales, carbonate mudstones, siltstones, and sandy limestones to limy sandstones.

Any USDW's in the Uinta Formation are protected by cement and confining zones above the injection interval.

EPA

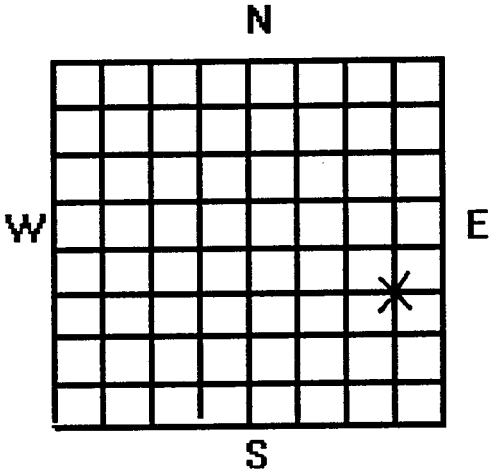
UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

PLUGGING AND ABANDONMENT PLAN

NAME AND ADDRESS OF FACILITY
RED WASH UNIT #283 (43-18B)
11002 EAST 17500 SOUTH
VERNAL, UT 84078-8526

NAME AND ADDRESS OF OWNER/OPERATOR
CHEVRON USA PRODUCTION CO., INC.
11002 EAST 17500 SOUTH
VERNAL, UT 84078-8526

LOCATE WELL AND OUTLINE UNIT ON SECTION PLAT – 640 ACRES



STATE	COUNTY	PERMIT NUMBER
UT	UINTAH	

SURFACE LOCATION DESCRIPTION
NE 1/4 OF SE 1/4 OF 1/4 SECTION 18 TOWNSHIP 7S RANGE 23E

LOCATE WELL IN TWO DIRECTIONS FROM NEAREST LINES OF QUARTER SECTION AND DRILLING UNIT

Surface
Location 1899 ft. from (N/S) S Line of quarter section

and 708 ft. from (E/W) E Line of quarter section

TYPE OF AUTHORIZATION

[X] Individual Permit
[ ] Area Permit
[ ] Rule

Number of Wells 1

WELL ACTIVITY

[ ] CLASS 1
[X] CLASS II
[ ] Brine Disposal
[X] Enhanced Recovery
[ ] Hydrocarbon Storage
[ ] CLASS III

Lease Name RED WASH UNIT Well Number 283 (43-18B)

CASING AND TUBING RECORD AFTER PLUGGING
ALL TUBING PULLED

SIZE	WT(LB/FT)	TO BE PUT IN WELL(FT)	TO BE LEFT IN WELL(FT)	HOLE SIZE
8-5/8"	24	375	375	11
5-1/2"	15.5	5996	5996	7-7/8

METHOD OF EMPLACEMENT OF CEMENT PLUGS

[X] The Balance Method
[X] The Dump Bailer Method
[ ] The Two-Plug Method
[ ] Other

CEMENTING TO PLUG AND ABANDON DATA:	PLUG #1	PLUG #2	PLUG #3	PLUG #4	PLUG #5	PLUG #6	PLUG #7
Size of Hole or Pipe in which Plug Will Be Placed (inches)	5-1/2	5-1/2	5-1/2	5-1/2			
Depth to Bottom of Tubing or Drill Pipe (ft.)	5550	4014	3248	245			
Sacks of Cement To Be Used (each plug)	4.4	18	14	80			
Slurry Volume To Be Pumped (cu. ft.)	4.7	19	14.7	85			
Calculated Top of Plug (ft.)	5515	3872	3148	0			
Measured Top of Plug (if tagged ft.)							
Slurry Wt. (Lb./Gal.)	16.4	16.4	16.4	16.4			
Type Cement or Other Material (Class III)	H	H	H	H			

LIST ALL OPEN HOLE AND/OR PERFORATED INTERVALS AND INTERVALS WHERE CASING WILL BE VARIED *(if any)*

From	To	From	To
REFER TO ATTACHMENTS			

Estimated Cost to Plug Wells
$30,000

CERTIFICATION

I certify under the penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediatley responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. (Ref. 40 CFR 144.32)

NAME AND OFFICIAL TITLE *(Please type or print)*	SIGNATURE	DATE SIGNED
J. T. CONLEY RED WASH ASSET TEAM LEADER		4-30-98

RWU #283 (43-18B)
PLANNED P&A PROCEDURE:

1. MIRU. ND WH AND NU BOPE. PULL INJECTION EQUIPMENT.

2. PU WORKSTRING AND CLEAN OUT TO PBTD WITH BIT AND SCRAPER.

3. **PLUG #1: TOP PERFORATION AT 5586'.** SET CIBP AT ~5550' AND DUMP BAIL 35' (4.4 SX.) CLASS H CEMENT ON TOP. DISPLACE WELLBORE WITH 9.2 PPG BRINE.

4. **PLUG #2: OIL SHALE INTERVAL 3921-3964'.** SET BALANCED CEMENT PLUG ACROSS INTERVAL 3872-4014' USING 18 SX. CLASS H CEMENT.

5. **PLUG #3: GREEN RIVER FM. TOP AT ~3198'.** SET BALANCED CEMENT PLUG ACROSS INTERVAL 3148-3248' USING 14 SX. CLASS H CEMENT.

6. **PLUG #4: CEMENT TOP ABOVE SURFACE CASING SHOE AT 250'.** PERFORATE AT 245' AND CIRCULATE 80 SX. CLASS H CEMENT DOWN 5-1/2" AND AROUND 5-1/2" X 8-5/8" ANNULUS.

7. CUT OFF WH AND INSTALL MARKER.

8. RDMO. REHAB PER BLM GUIDELINES.

P&A PLAN
WELLBORE DIAGRAM

WELL: RWU #283 (43-18B)
LOCATION: 1899' FSL, 708' FEL
NESE-SEC.18-T7S-R23E
UINTAH COUNTY, UTAH

KBE: 5515'
GLE: 5501'
TD: 5996'
PBTD: 5949'

LEASE: U-0016
API #: 43-047-32982
EPA ID#: UT2833-04400

PLUG #4: PERFORATE @ 245', CIRCULATE 80 SX. CLASS H AROUND 0-245'

CEMENT TOP @ ~250' BY CBL

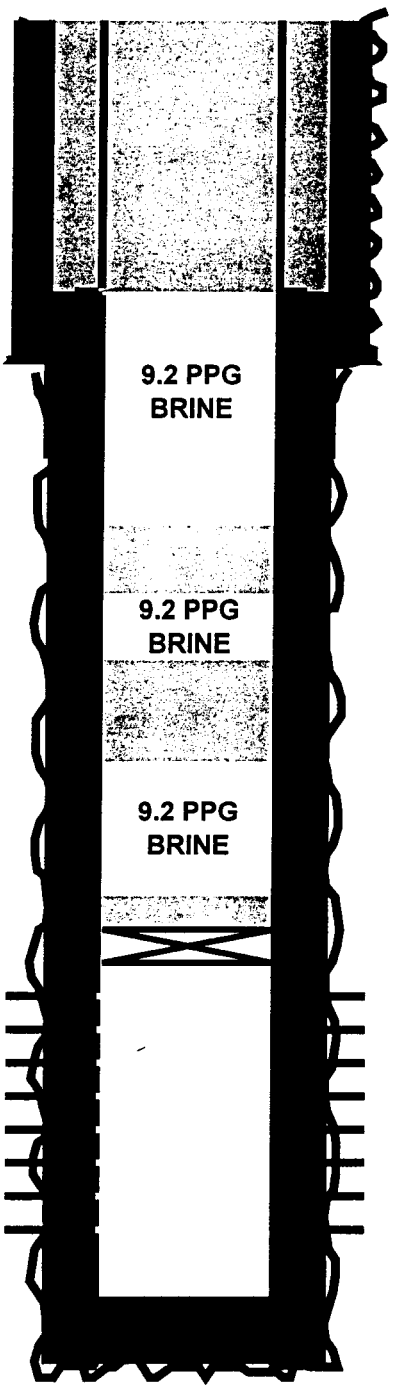
PLUG #3: GREEN RIVER TOP, SET BALANCED PLUG ACROSS INTERVAL 3148-3248' USING 14 SX. CLASS H

PLUG #2: OIL SHALE, SET BALANCED PLUG ACROSS INTERVAL 3872-4014' USING 18 SX. CLASS H

PLUG #1: PERFORATIONS, CIBP @ 5550' WITH 35' OF CLASS H CEMENT ON TOP. 5515-5550'

PBTD: 5949'
TD: 5996'

4/28/98



SURFACE HOLE & CASING:

HOLE SIZE:	11"
CSG. TYPE & SIZE:	8 5/8", 24# K-55, ST&C
SETTING DEPTH:	375'
CEMENT:	125 SX. PREMIUM V
CEMENT TOP:	SURFACE

GEOLOGIC MARKERS:

UINTA	SURFACE
GREEN RIVER	3193'
OIL SHALE	3921-3964'

PERFORATIONS - GREEN RIVER FORMATION:

5586-98'
5632-42'
5652-61'
5689-93'
5727-34'
5752-64'
5787-93'

PRODUCTION HOLE AND CASING:

HOLE SIZE:	7 7/8"
CSG. TYPE & SIZE:	5 1/2", 15.5# K-55, ST&C
SETTING DEPTH:	5996'
CEMENT:	310 SX. HI-FILL CLASS G LEAD 455 SX. CLASS G TAIL
CEMENT TOP:	~250' BY CBL

Form 3160-4
(November 1983)
(formerly 9-330)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE (See other instructions on reverse side).

Form approved.
Budget Bureau No. 1004-0137
Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL NO.: U-0116

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☐ DRY ☐ Other WATER INJECTION

b TYPE OF COMPLETION: NEW WELL [X] WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR ☐ Other

7. UNIT AGREEMENT NAME: RED WASH UNIT

8. FARM OR LEASE NAME: RED WASH

2. NAME OF OPERATOR: CHEVRON USA PRODUCTION CO., INC.

9. WELL NO.: #283 (43-18B)

3. ADDRESS OF OPERATOR: 11002 EAST 17500 SOUTH, VERNAL, UT 84078-8526

10. FIELD AND POOL, OR WILDCAT: RED WASH - GREEN RIVER

4. LOCATION OF WELL (*Report location clearly and in accordance with any State requirements*)*

At surface: 1899' FSL, 708' FEL, NESE

At top rod. interval reported below: SAME

At total depth: SAME

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA: SEC. 18-T7S-R23E, SLBM

RECEIVED
MAY 18 1998
DIV. OF OIL, GAS & MINING

14. PERMIT NO.	DATE ISSUED	12. COUNTY OR PARISH	13. STATE
43-047-32982	8/26/97	UINTAH	UTAH

15. DATE SPUDDED	16. DATE T.D. REACHED	17. DATE COMPL. (*Ready to prod.*)	18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*	19. ELEV. CASINGHEAD
3/23/98	4/5/98	4/17/98	5515' KB, 5501' GL	

20. TOTAL DEPTH, MD & TVD	21. PLUG BACK T.D., MD & TVD	22. IF MULTIPLE COMPL., HOW MANY*	23. INTERVALS DRILLED BY	ROTARY TOOLS	CABLE TOOLS
5996'	5949'		——>	X	

24. PRODUCING INTERVAL(S), OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD)*: 5586' THROUGH 5793'

25. WAS DIRECTIONAL SURVEY MADE: NO

26. TYPE ELECTRIC AND OTHER LOGS RUN: GR - SP - Dual Induction - Neutron / Density - MRIL - Caliper 4-13-98 MAGNETIC RESONANCE

27. WAS WELL CORED: NO

28. CASING RECORD (*Report all strings set in well*)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8-5/8"	24	375'	11"	125 SX. PREMIUM V TO SURFACE	NA
5-1/2"	15.5	5996'	7-7/8"	310 SX. HI-FILL CLASS G LEAD, 455 SX. CLASS G TAIL	NA

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-7/8"	5530'	5530'

31. PERFORATION RECORD (*Interval, size and number*)
5586-98', 5632-42', 5652-61', 5669-93', 5727-34', 5752-64', 5787-93'
ALL 4 JSPF, 90° PHASING

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5586' THROUGH 5793'	420 GAL. 15% HCl

33.* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (*Flowing, gas lift, pumping--size and type of pump*)	WELL STATUS (*Producing or shut-in*)
NA	NOTE - WAITING FOR EPA AUTHORIZATION TO INJECT	SI

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD ——>	OIL--BBL.	GAS--MCF.	WATER--BBL.	GAS-OIL RATIO

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE ---------->	OIL--BBL.	GAS--MCF	WATER--BBL	OIL GRAVITY-API (CORR.)

34. DISPOSITION OF GAS (*Sold, used for fuel, vented, etc.*)

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED [signature] TITLE Sr. Pet. Engineer DATE 5/4/98

(See Instructions and Spaces for Additional Data on Reverse Side)

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
lower GRRV	**5586**	**5598**	**oil**
	5632	**5642**	**oil**
	5727	**5734**	**oil**
	5787	**5793**	**oil**
			No DST's
			No Core

38. GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
Uinta	**Surface**	
Green River	**3193'**	
Mahogany Oil Sh Top	**3949'**	
Mahogany Oil Sh Base	**3982'**	

5-17-99 Conv. w/w

INJECTION WELL DATA
(DATA INPUT SHEET FOR COMPUTER)

Township: 7S Range: 23E Section: 18 Qtr/Qtr: NESE

API No: 43-047-32982

Operator Nm: CHEVRON USA PRODUCTION COMPANY Account No: N0210

Well Nm: RED WASH UNIT 283 43-18B

Field Nm: RED WASH Field No: 665

Unit Nm: RED WASH Unit No: 140

Cause No: UIC-198

1st Inj: 7/98 *7-1-98 Exact date unknown. Surf Csg: 8 5/8 Set @: 375

Avg InjP: _____ Int Csg: _____ Set @: _____

Max InjP: 1937 Prod Csg: 5 1/2 Set @: 5996

Max Rate: _____ Liner: _____ Set @: _____

PBTD: 5949 Tbg: 2 7/8 Set @: 5530

TD: 5996 Dual Completion: Y (N)

Inj Zone: 5583-5810 Well Type: INSW

Formation: GRRV Lease Type: BLM

Approval: _____ Surf Owner: BLM

PA Date: _____ Indian Country: (Y) N

****

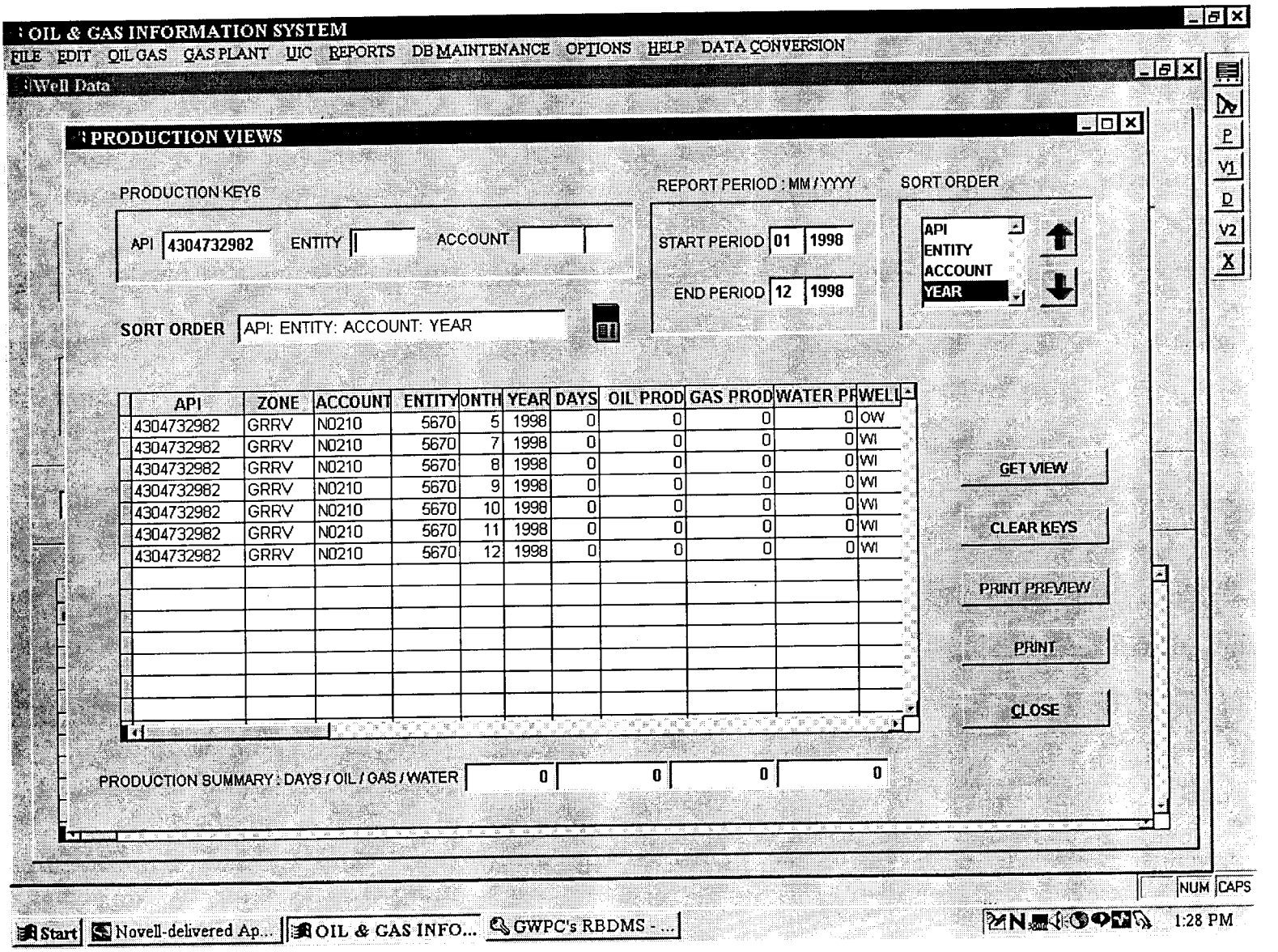
TEST DATE: _____

TEST TYPE: _____

WITNESSED: Y N

_____ PSI/HELD _____

COMMENTS: PERMITTED BY EPA. PARTIAL PERMIT BY DOGM
INCOMPLETE DATA AVAILABLE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Well Data
PRODUCTION VIEWS
PRODUCTION KEYS
API 4304732982
ENTITY
ACCOUNT
REPORT PERIOD : MM / YYYY
START PERIOD 01 1998
END PERIOD 12 1998
SORT ORDER
API
ENTITY
ACCOUNT
YEAR
SORT ORDER API: ENTITY: ACCOUNT: YEAR
API ZONE ACCOUNT ENTITY ONTH YEAR DAYS OIL PROD GAS PROD WATER PR WELL
4304732982 GRRV N0210 5670 5 1998 0 0 0 0 OW
4304732982 GRRV N0210 5670 7 1998 0 0 0 0 WI
4304732982 GRRV N0210 5670 8 1998 0 0 0 0 WI
4304732982 GRRV N0210 5670 9 1998 0 0 0 0 WI
4304732982 GRRV N0210 5670 10 1998 0 0 0 0 WI
4304732982 GRRV N0210 5670 11 1998 0 0 0 0 WI
4304732982 GRRV N0210 5670 12 1998 0 0 0 0 WI
GET VIEW
CLEAR KEYS
PRINT PREVIEW
PRINT
CLOSE
PRODUCTION SUMMARY : DAYS / OIL / GAS / WATER 0 0 0 0
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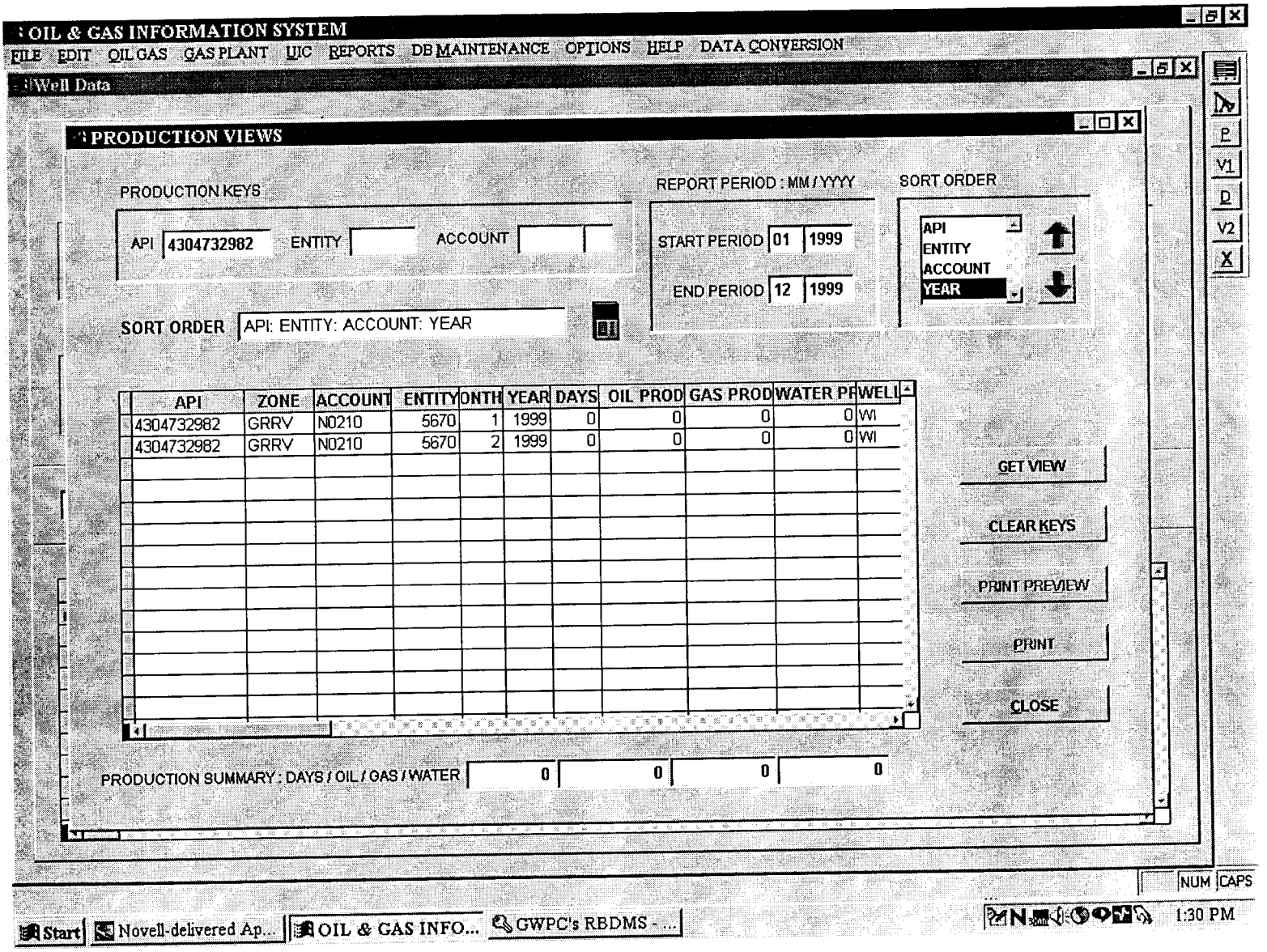
OIL & GAS INFO...
GWPC's RBDMS - ...
1:28 PM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Well Data
PRODUCTION VIEWS
PRODUCTION KEYS
API 4304732982
ENTITY
ACCOUNT
REPORT PERIOD : MM / YYYY
START PERIOD 01 1999
END PERIOD 12 1999
SORT ORDER
API
ENTITY
ACCOUNT
YEAR
SORT ORDER API: ENTITY: ACCOUNT: YEAR
API ZONE ACCOUNT ENTITY ONTH YEAR DAYS OIL PROD GAS PROD WATER PR WELL
4304732982 GRRV N0210 5670 1 1999 0 0 0 0 WI
4304732982 GRRV N0210 5670 2 1999 0 0 0 0 WI
GET VIEW
CLEAR KEYS
PRINT PREVIEW
PRINT
CLOSE
PRODUCTION SUMMARY : DAYS / OIL / GAS / WATER 0 0 0 0
NUM CAPS
Start
Novell-delivered Ap...
OIL & GAS INFO...
GWPC's RBDMS - ...
1:30 PM

Form 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir
Use "APPLICATION FOR PERMIT--" for such proposals

5. Lease Designation and Serial No.

6. If Indian, Allottee or Tribe Name
N/A

SUBMIT IN TRIPLICATE

7. If Unit or CA, Agreement Designation
RED WASH UNIT
I-SEC NO 761

1. Type of Well
Oil Well ☐ Gas Well ☐ Other ☒ MULTIPLE WELLS SEE ATTACHED LIST

8. Well Name and No.

2. Name of Operator
CHEVRON U.S.A. INC.

9. API Well No.

3. Address and Telephone No
11002 E. 17500 S. VERNAL, UT 84078-8526 (801) 781-4300

10. Field and Pool, or Exploratory Area
RED WASH - GREEN RIVER

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

11. County or Parish, State
UINTAH, UTAH

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION	
☐ Notice of Intent	☐ Abandonment	☐ Change of Plans
	☐ Recompletion	☐ New Construction
☒ Subsequent Report	☐ Plugging Back	☐ Non-Routine Fracturing
	☐ Casing Repair	☐ Water Shut-Off
☐ Final Abandonment Notice	☐ Altering Casing	☐ Conversion to Injection
	☒ Other CHANGE OF OPERATOR	☐ Dispose Water

(Note) Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work)

As of January 1, 2000 Chevron U.S.A. INC. resigns as Operator of the Red Wash Unit.
The Unit Number is I-SEC NO 761 effective October 31, 1950.

The successor operator under the Unit Agreement will be
Shenandoah Energy Inc.
475 17th Street, Suite 1000
Denver, CO 80202

Agreed and accepted to this 29th day of December, 1999

Shenandoah Energy Inc.
By: Mitchell L. Solich
Mitchell L. Solich
President

RECEIVED
DEC 30 1999
DIVISION OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct.
Signed A. E. Wacker A. E. Wacker Title Assistant Secretary Date 12/29/99

(This space for Federal or State office use)

Approved by: Title Date

Conditions of approval, if any

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

***See instruction on Reverse Side**

United States Department of the Interior

BUREAU OF LAND MANAGEMENT
Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155

RECEIVED
FEB 07 2000
DIVISION OF
OIL, GAS AND MINING

IN REPLY REFER TO
UT-931

February 4, 2000

Shenandoah Energy Inc.
Attn: Rae Cusimano
475 17th Street, Suite 1000
Denver, Colorado 80202

Re: Red Wash Unit
Uintah County, Utah

Gentlemen:

On December 30, 1999, we received an indenture whereby Chevron U.S.A. Inc. resigned as Unit Operator and Shenandoah Energy Inc. was designated as Successor Unit Operator for the Red Wash Unit, Uintah County, Utah.

This indenture was executed by all required parties and the signatory parties have complied with Sections 5 and 6 of the unit agreement. The instrument is hereby approved effective February 4, 2000. In approving this designation, the Authorized Officer neither warrants nor certifies that the designated party has obtained all required approval that would entitle it to conduct operations under the Red Wash Unit Agreement.

Your statewide (Utah) oil and gas bond No. 0969 will be used to cover all operations within the Red Wash Unit.

It is requested that you notify all interested parties of the change in unit operator. Copies of the approved instruments are being distributed to the appropriate federal offices, with one copy returned herewith.

Sincerely,

/s/ Robert A. Henricks

Robert A. Henricks
Chief, Branch of Fluid Minerals

Enclosure

cc: Chevron U.S.A. Inc.

bcc: Field Manager - Vernal (w/enclosure)
Division of Oil, Gas & Mining
Minerals Adjudication Group U-932
File - Red Wash Unit (w/enclosure)
MMS - Data Management Division
Agr. Sec. Chron
Fluid Chron

UT931:TAThompson:tt:2/4/00

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

TRANSFER OF AUTHORITY TO INJECT - UIC FORM 5

Well name and number: See Attachment

Field or Unit name: _____ API no. _____

Well location: QQ _____ section ___ township ___ range ___ county _____

Effective Date of Transfer: _____

CURRENT OPERATOR

Transfer approved by:

Name R.K. Wackowski Company Chevron Production Co.

Signature _____ Address 100 Chevron Rd.

Title Unit Manager Rangely, Colo. 81648

Date 7/28/00 Phone (970) 675-3714

Comments:

NEW OPERATOR

Transfer approved by:

Name John Conley Company Shenandoah Energy Inc.

Signature _____ Address 11002 E. 17500 S.

Title District Manager Vernal, UT 84078

Date 7-21-00 Phone (435) 781-4300

Comments:

(State use only)
Transfer approved by _____ Title Tech. Services Manager

Approval Date 8-24-00

RECEIVED
AUG 9 2000
DIVISION OF

(/89)

SHENANDOAH ENERGY INC.

11002 E. 17500 S.
VERNAL, UT 84078
PHONE: (435) 781-4300
FAX: (435) 781-4329

RED WASH UNIT

RW #11 (34-27B)	SWSE-27-7S-23E	43-047-15142
RW #14 (14-13B)	SWSW-13-7S-23E	43-047-15144
RW #148 (13-22B)	NWSW-22-7S-23E	43-047-15261
RW #156 (23-15B)	NESW-15-7S-23E	43-047-15267
RW #17 (41-20B)	NENE-20-7S-23E	43-047-15146
RW #173 (21-21B)	NENW-21-7S-23E	43-047-16496
RW #174 (21-20B)	NENW-20-7S-23E	43-047-15281
RW #182 (14-21B)	SWSW-21-7S-23E	43-047-16497
RW #183 (33-13B)	NWSE-13-7S-23E	43-047-15289
RW #185 (41-14B)	NENE-14-7S-23E	43-047-16498
RW #2 (14-24B)	SWSW-24-7S-23E	43-047-16472
RW #23 (21-23B)	NENW-23-7S-23E	43-047-15151
RW #25 (23-23B)	NESW-23-7S-23E	43-047-16476
RW #261 (23-17B)	NESW-17-7S-23E	43-047-32739
RW #264 (31-35B)	NWNE-35-7S-23E	43-047-30519
RW #268 (43-17B)	NESE-17-7S-23E	43-047-32980
RW #275 (31-26B)	NWNE-26-7S-23E	43-047-31077
RW #279 (11-36B)	NWNW-36-7S-23E	43-047-31052
RW #34 (-23-14B)	NESW-14-7S-23E	43-047-15161
RW #56 (41-28B)	NENE-28-7S-23E	43-047-15182
RW #59 (12-24B)	SWNW-24-7S-23E	43-047-16477
RW #6 (41-21B)	NENE-21-7S-23E	43-047-16482
RW #91 (33-22B)	NWSE-22-7S-23E	43-047-16479
RW #93 (43-27B)	NESE-27-7S-23E	43-047-16480
RW #134 (14-28B)	SWSW-28-7S-23E	43-047-16489
RW #139 (43-29B)	NESE-29-7S-23E	43-047-16490
RW #150 (31-22B)	NWSE-22-7S-23E	43-047-15263
RW #16 (43-28B)	NESE-28-7S-23E	43-047-16475
RW #170 (41-15B)	NENE-15-7S-23E	43-047-16495
RW #263 (24-26B)	SESW-26-7S-23E	43-047-30518
RW #265 (44-26B)	SESE-26-7S-23E	43-047-30520
RW #266 (33-26B)	NWSE-26-7S-23E	43-047-30521
RW #269 (13-26B)	NWSW-26-7S-23E	43-047-30522
RW #271 (42-35B)	SENE-35-7S-23E	43-047-31081
RW #68 (41-13B)	NENE-13-7S-23E	43-047-16485
RW #97 (23-18C)	NESW-18-7S-24E	43-047-15216
RW #7 (41-27B)	NENE-27-7S-23E	43-047-15205
RW #324 (23-16B)	NESW-16-7S-23E	
RW #301 (43-15B)	NESE-15-7S-23E	43-047-31682
RW #100A (43-21A)	NESE-21-7S-22E	43-047-15219
RW #199 (43-22A)	NESE-22-7S-22E	43-047-15301
RW #216 (21-27A)	NENW-21-7S-22E	43-047-30103
RW #258 (34-22A)	SWSE-22-7S-22E	43-047-30458
RW #202 (21-34A)	NENW-34-7S-22E	43-047-15303
RW 3215 (43-28A)	NESE-28-7S-22E	43-047-30058
RW #61 (12-27A)	SWNW-27-7S-22E	43-047-16478
RW #102 (41-24A)	NENE-24-7S-23E	43-047-15221
RW #88 (23-18B)	NESW-18-7S-23E	43-047-15210
RW #283 (43-18B)	NESE-18-7S-23E	43-047-32982
RW #52 (14-18B)	SWSW-18-7S-23E	43-047-15178
RW #161 (14-20B)	SWSW-20-7S-23E	43-047-15271

SHENANDOAH ENERGY INC.

11002 E. 17500 S.
VERNAL, UT 84078
PHONE: (435) 781-4300
FAX: (435) 781-4329

RW #48 (32-19B)	SWNE-19-7S-23E	43-047-15174
RW #60 (43-30B)	NESE-30-7S-23E	43-047-15184
RW #213 (41-33B)	NENE-33-7S-23E	43-047-20060

WONSITS VALLEY FEDERAL UNIT

WVFU #120	NENW-22-8S-21E	43-047-32462
WVFU#140	NWNW-15-8S-21E	43-047-31707
WVFU #143	NWSE-10-8S-21E	43-047-31808
WVFU #16	NENE-15-8S-21E	43-047-15447
WVFU #21	NENE-16-8S-21E	43-047-15452
WVFU #28-2	NESW-11-8S-21E	43-047-31524
WVFU #31	NENW-14-8S-21E	43-047-15460
WVFU #35	NESW-14-8S-21E	43-047-15463
WVFU #36	NESW-10-8S-21E	43-047-15464
WVFU #40-2	NESE-10-8S-21E	43-047-31798
WVFU #41	NENW-15-8S-21E	43-047-~~15496~~ 15469
WVFU #50	SWNE-15-8S-21E	43-047-15477
WVFU #59	SWNW-14-8S-21E	43-047-20018
WVFU #60	SWSE-15-8S-21E	43-047-20019
WVFU #67	NESW-15-8S-21E	43-047-20043
WVFU #68	NESE-15-8S-21E	43-047-20047
WVFU #71-2	SWSW-15-8S-21E	43-047-32449
WVFU #73	NESE-16-8S-21E	43-047-20066
WVFU #97	NWSW-11-8S-21E	43-047-30014
WVFU #9	NESE-12-8S-21E	43-047-15440
WVFU #126	NWNE-21-8S-21E	43-047-30796
WVFU #72	SWSW-16-8S-21E	43-047-20058
WVFU #78	NESW-16-8S-21E	43-047-20115

GYPSUM HILLS UNIT

GHU #10	NWSE-21-8S-20E	43-047-32306
GHU #12	NESE-19-8S-21E	43-047-32458
GHU#15	SWSW-20-8S-21E	43-047-32648
GHU#17	SWSE-20-8S-21E	43-047-32649
GHU #3	NENE-20-8S-21E	43-047-20002
GHU #6	NENW-20-8S-21E	43-047-30099
GHU #8-1	SWNE-20-8S-21E	43-047-31932

COSTAS FEDERAL

COSTAS FED #1-20-4B	NESW-20-8S-21E	43-047-31006
COSTAS FED #2-20-3B	NESE-20-8S-21E	043-31066
COSTAS FED 33-21-1D	SWNW-21-8S-21E	43-047-31604

BRENNAN BOTTOM UNIT

BRENNAN FED #5	SENW-18-7S-21E	43-047-15420
BRENNAN FED #11	SESW-18-7S-21E	43-047-32772

Division of Oil, Gas and Mining

OPERATOR CHANGE WORKSHEET

ROUTING	
1. GLH	4-KAS ✓
2. CDW	5-SJ ✓
3. JLT	6-FILE

Enter date after each listed item is completed

X **Change of Operator (Well Sold)** — Designation of Agent

Operator Name Change (Only) — Merger

The operator of the well(s) listed below has changed, effective: **01/01/2000**

FROM: (Old Operator):
CHEVRON USA INC
Address: 11002 E. 17500 S.
VERNAL, UT 84078-8526

Phone: 1-(435)-781-4300
Account No. N0210

TO: (New Operator):
SHENANDOAH ENERGY INC
Address: 11002 E. 17500 S.
VERNAL, UT 84078

Phone: 1-(435)-781-4300
Account No. N4235

CA No. **Unit:** **RED WASH**

WELL(S)

NAME	API	ENTITY	SECTION	TOWNSHIP	RANGE	LEASE
RWU 283 (43-18B) (wiw)	43-047-32982	5670	18	07S	23E	FEDERAL
RWU 48 (32-19B) (wiw)	43-047-15174	99996	19	07S	23E	FEDERAL
RWU 60 (43-30B) (wiw)	43-047-15184	99996	30	07S	23E	FEDERAL
RWU 213 (41-33B) (wiw)	43-047-20060	99996	33	07S	23E	FEDERAL

OPERATOR CHANGES DOCUMENTATION

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 12/30/1999
2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 08/09/2000
3. The new company has been checked through the **Department of Commerce, Division of Corporations Database on:** 08/23/2000

4. Is the new operator registered in the State of Utah: YES Business Number: 224885

5. If **NO**, the operator was contacted contacted on: _____

6. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the (merger, name change, or operator change for all wells listed on Federal or Indian leases on: 02/04/2000

7. **Federal and Indian Units:** The BLM or BIA has approved the successor of unit operator for wells listed on: 02/04/2000

8. **Federal and Indian Communization Agreements ("CA"):** The BLM or the BIA has approved the operator change for all wells listed involved in a CA on: N/A

9. **Underground Injection Control ("UIC"** The Division has approved UIC Form 5, **Transfer of Authority to Inject,** for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 08/24/2000

DATA ENTRY:

1. Changes entered in the **Oil and Gas Database on:** 08/29/2000

2. Changes have been entered on the **Monthly Operator Change Spread Sheet on:** 08/29/2000

3. Bond information entered in RBDMS on: N/A

4. Fee wells attached to bond in RBDMS on: N/A

STATE BOND VERIFICATION:

1. State well(s) covered by Bond No.: N/A

FEE WELLS - BOND VERIFICATION/LEASE INTEREST OWNER NOTIFICATION:

1. (R649-3-1) The **NEW** operator of any fee well(s) listed has furnished a bond: N/A

2. The **FORMER** operator has requested a release of liability from their bond on: N/A
   The Division sent response by letter on: N/A

3. (R649-2-10) The **FORMER** operator of the Fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: _____

FILMING:

1. All attachments to this form have been **MICROFILMED** on: 3.5.01

FILING:

1. **ORIGINALS/COPIES** of all attachments pertaining to each individual well have been filled in each well file on: _____

COMMENTS:

MECHANICAL INTEGRITY TEST
CASING OR ANNULUS PRESSURE TEST

U.S. ENVIRONMENTAL PROTECTION AGENCY
UNDERGROUND INJECTION CONTROL PROGRAM, UIC IMPLEMENTATION SECTION (8P-W-GW)
999 18TH STREET, SUITE 300, DENVER,CO. 80202-2466

EPA WITNESS: _____ DATE: 3-13-03 TIME: 10:00 ☑AM ☐PM

TEST CONDUCTED BY: Lynn Smith (Advantage Oilfield Serv Inc.)

OTHERS PRESENT: Dennis J. Paulson

WELL NAME: RWU #283 (43-18B) TYPE: ☑ER ☑SWD STATUS: ☑AC ☐TA ☐UC

FIELD: RED WASH

WELL LOCATION: NE/SE SEC 18 T 7 ☐N ☑S R23 ☑E ☐W COUNTY: UINTAH STATE:UTAH

OPERATOR: SHENANDOAH ENERGY INC.

LAST MIT: 3-24-98 MAXIMUM ALLOWABLE PRESSURE: 2087 PSIG

IS THIS A REGULAR SCHEDULED TEST? ☑YES ☐NO

INITIAL TEST FOR PERMIT? ☐YES ☑NO

TEST AFTER WELL WORK? ☐YES ☑NO

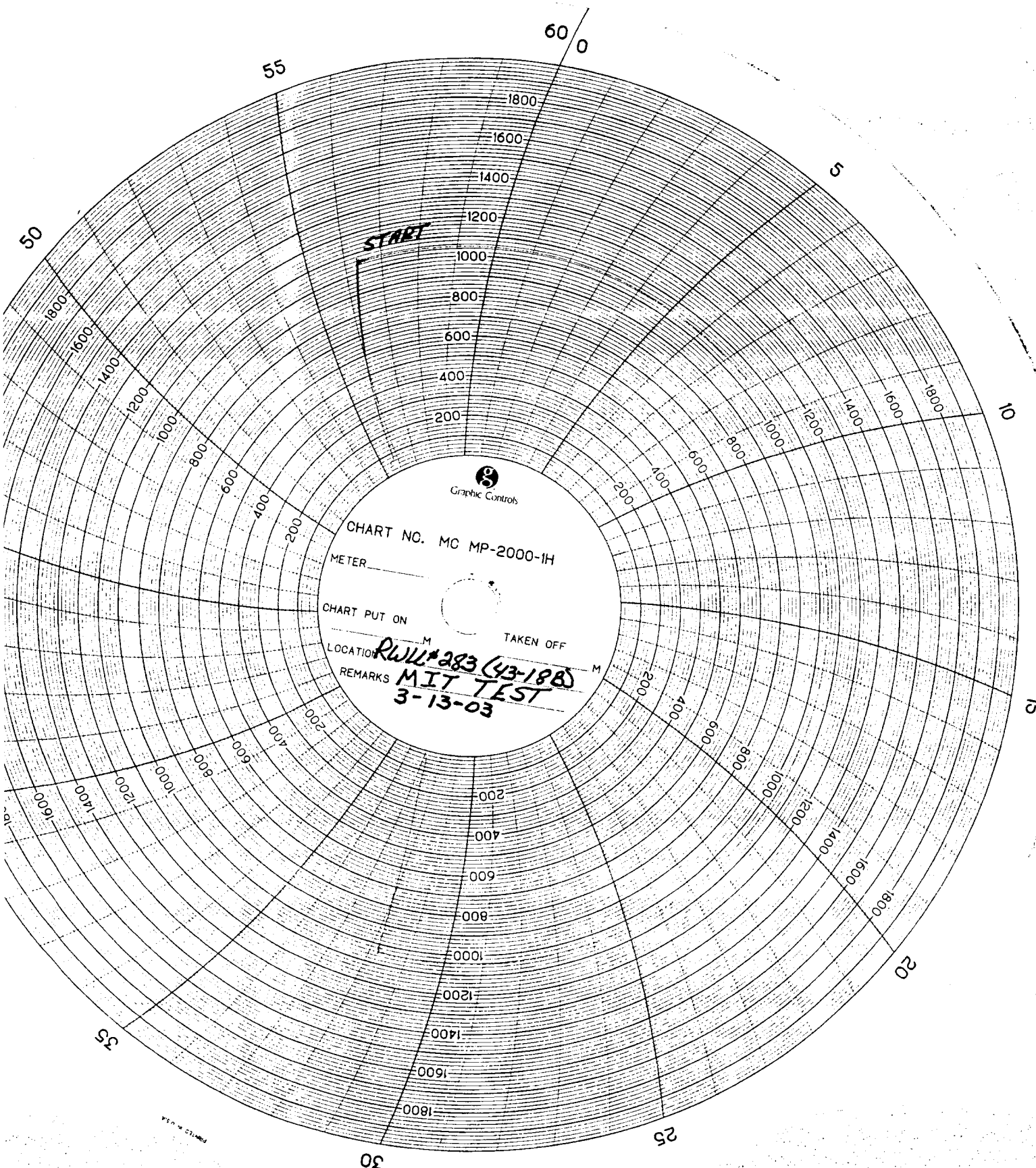
WELL INJECTING DURING TEST? ☑YES ☐NO IF YES, RATE: 600 BPD

PRE-TEST CASING/TUBING ANNULUS PRESSURE: 0 :PSIG

MIT DATA TABLE	TEST #1		TEST #2	TEST #3
TUBING PRESSURE				
INITIAL PRESSURE	1850	PSIG	PSIG	PSIG
END OF TEST PRESSURE	1850	PSIG	PSIG	PSIG

CASING/TUBING ANNULUS PRESSURE				
0 MINUTES	1045	PSIG	PSIG	PSIG
5 MINUTES	1045	PSIG	PSIG	PSIG
10 MINUTES	1045	PSIG	PSIG	PSIG
15 MINUTES	1045	PSIG	PSIG	PSIG
20 MINUTES	1046	PSIG	PSIG	PSIG
25 MINUTES	1045	PSIG	PSIG	PSIG
30 MINUTES	1045	PSIG	PSIG	PSIG
MINUTES		PSIG	PSIG	PSIG
MINUTES		PSIG	PSIG	PSIG
RESULT	☑PASS ☐FAIL		☐PASS ☐FAIL	☐PASS ☐FAIL

DOES THE ANNULUS PRESSURE BUILD BACK UP AFTER THE TEST? ☐YES ☑NO

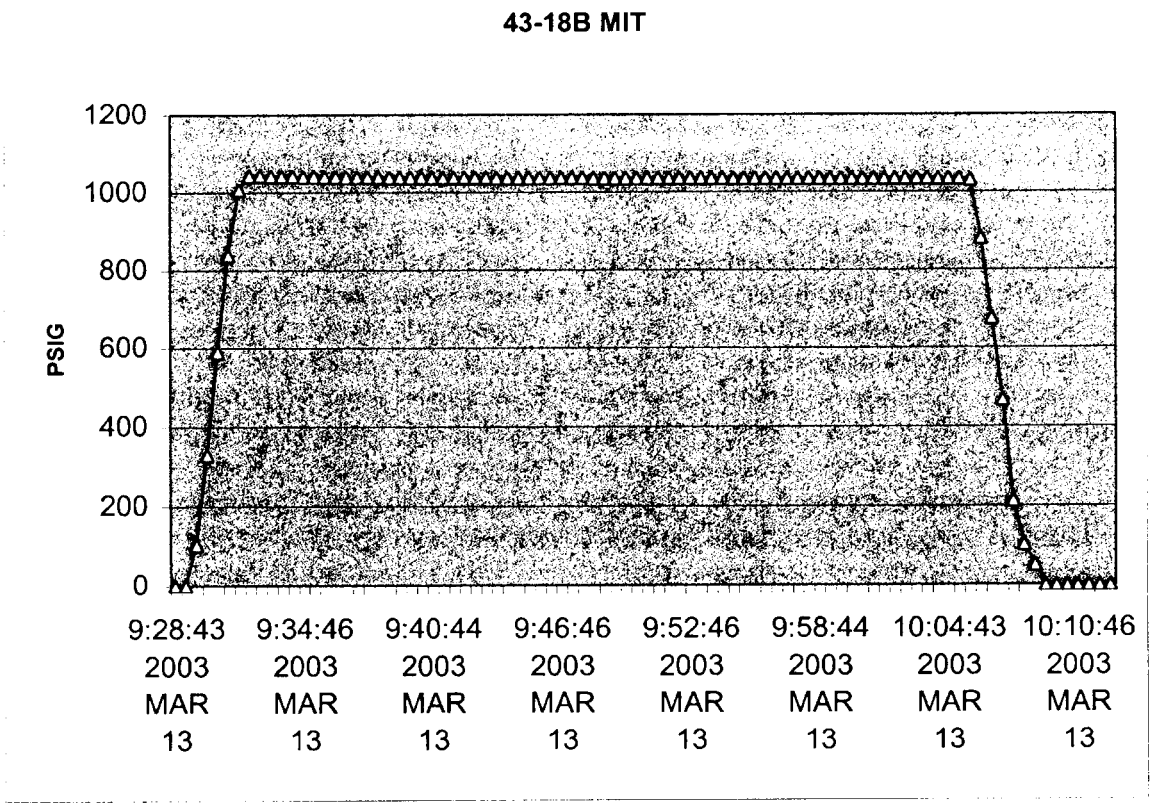

START
Graphic Controls
CHART NO. MC MP-2000-1H
METER
CHART PUT ON
M
TAKEN OFF
M
LOCATION RWU#283 (43-18B)
REMARKS MIT TEST
3-13-03

3000 PSIG 2404-1 2 2-Oct RWU #283 (43-18B) UT2833-04400

DAY	MONTH	YEAR	TIME	FILE	SAMPLE	PSIG	BAR	AMBIENT TEMP.
13	MAR	2003	9:28:43	1	1	0	24.8	62
13	MAR	2003	9:29:14	1	2	0	24.8	62
13	MAR	2003	9:29:46	1	3	104.45	24.8	62
13	MAR	2003	9:30:14	1	4	329.7	24.8	62
13	MAR	2003	9:30:46	1	5	590.7	24.8	62
13	MAR	2003	9:31:14	1	6	838.4	24.8	62
13	MAR	2003	9:31:46	1	7	1007.6	24.8	62
13	MAR	2003	9:32:14	1	8	1043.3	24.8	61
13	MAR	2003	9:32:46	1	9	1043	24.8	61
13	MAR	2003	9:33:14	1	10	1042.3	24.8	61
13	MAR	2003	9:33:46	1	11	1041.7	24.8	61
13	MAR	2003	9:34:14	1	12	1041.2	24.8	61
13	MAR	2003	9:34:46	1	13	1040.7	24.8	61
13	MAR	2003	9:35:13	1	14	1040.3	24.8	61
13	MAR	2003	9:35:44	1	15	1040	24.8	60
13	MAR	2003	9:36:16	1	16	1039.7	24.8	60
13	MAR	2003	9:36:44	1	17	1039.4	24.8	60
13	MAR	2003	9:37:16	1	18	1039.2	24.8	60
13	MAR	2003	9:37:44	1	19	1038.9	24.8	60
13	MAR	2003	9:38:16	1	20	1038.7	24.8	60
13	MAR	2003	9:38:44	1	21	1038.5	24.8	60
13	MAR	2003	9:39:16	1	22	1038.3	24.8	60
13	MAR	2003	9:39:44	1	23	1038.1	24.8	59
13	MAR	2003	9:40:16	1	24	1037.9	24.8	59
13	MAR	2003	9:40:44	1	25	1037.8	24.8	59
13	MAR	2003	9:41:16	1	26	1037.6	24.8	59
13	MAR	2003	9:41:44	1	27	1037.5	24.8	59
13	MAR	2003	9:42:16	1	28	1037.3	24.8	59
13	MAR	2003	9:42:44	1	29	1037.2	24.8	59
13	MAR	2003	9:43:16	1	30	1037.1	24.8	59
13	MAR	2003	9:43:44	1	31	1037	24.8	58
13	MAR	2003	9:44:16	1	32	1036.9	24.8	58
13	MAR	2003	9:44:44	1	33	1036.8	24.8	58
13	MAR	2003	9:45:16	1	34	1036.7	24.8	58
13	MAR	2003	9:45:43	1	35	1036.6	24.8	58
13	MAR	2003	9:46:14	1	36	1036.5	24.8	58
13	MAR	2003	9:46:46	1	37	1036.4	24.8	58
13	MAR	2003	9:47:14	1	38	1036.3	24.8	58
13	MAR	2003	9:47:46	1	39	1036.3	24.8	58
13	MAR	2003	9:48:14	1	40	1036.2	24.8	58
13	MAR	2003	9:48:46	1	41	1036.2	24.8	57
13	MAR	2003	9:49:14	1	42	1036.1	24.8	57
13	MAR	2003	9:49:46	1	43	1036	24.8	57
13	MAR	2003	9:50:14	1	44	1036	24.8	57
13	MAR	2003	9:50:46	1	45	1035.9	24.8	57
13	MAR	2003	9:51:14	1	46	1035.8	24.8	57

13 MAR	2003	9:51:46	1	47	1035.8	24.8	57
13 MAR	2003	9:52:14	1	48	1035.7	24.8	57
13 MAR	2003	9:52:46	1	49	1035.7	24.8	57
13 MAR	2003	9:53:14	1	50	1035.6	24.8	56
13 MAR	2003	9:53:46	1	51	1035.6	24.8	56
13 MAR	2003	9:54:14	1	52	1035.5	24.8	56
13 MAR	2003	9:54:46	1	53	1035.4	24.8	56
13 MAR	2003	9:55:13	1	54	1035.4	24.8	56
13 MAR	2003	9:55:44	1	55	1035.3	24.8	56
13 MAR	2003	9:56:16	1	56	1035.3	24.8	56
13 MAR	2003	9:56:44	1	57	1035.3	24.8	56
13 MAR	2003	9:57:16	1	58	1035.2	24.8	56
13 MAR	2003	9:57:44	1	59	1035.2	24.8	56
13 MAR	2003	9:58:16	1	60	1035.1	24.8	56
13 MAR	2003	9:58:44	1	61	1035.1	24.8	55
13 MAR	2003	9:59:16	1	62	1035	24.8	55
13 MAR	2003	9:59:44	1	63	1035	24.8	55
13 MAR	2003	10:00:16	1	64	1034.9	24.8	55
13 MAR	2003	10:00:44	1	65	1034.9	24.8	55
13 MAR	2003	10:01:16	1	66	1034.9	24.8	55
13 MAR	2003	10:01:44	1	67	1034.8	24.8	55
13 MAR	2003	10:02:16	1	68	1034.8	24.8	55
13 MAR	2003	10:02:44	1	69	1034.7	24.8	55
13 MAR	2003	10:03:16	1	70	1034.7	24.8	55
13 MAR	2003	10:03:44	1	71	1034.7	24.8	55
13 MAR	2003	10:04:16	1	72	1034.6	24.8	55
13 MAR	2003	10:04:43	1	73	1034.6	24.8	55
13 MAR	2003	10:05:14	1	74	1034.5	24.8	55
13 MAR	2003	10:05:46	1	75	1030.8	24.8	55
13 MAR	2003	10:06:14	1	76	881.6	24.8	54
13 MAR	2003	10:06:46	1	77	675.3	24.8	54
13 MAR	2003	10:07:14	1	78	468.77	24.8	54
13 MAR	2003	10:07:46	1	79	213.57	24.8	54
13 MAR	2003	10:08:14	1	80	103.88	24.8	54
13 MAR	2003	10:08:46	1	81	51.36	24.8	54
13 MAR	2003	10:09:14	1	82	0	24.8	54
13 MAR	2003	10:09:46	1	83	0	24.8	54
13 MAR	2003	10:10:14	1	84	0	24.8	54
13 MAR	2003	10:10:46	1	85	0	24.8	55
13 MAR	2003	10:11:14	1	86	0	24.8	55
13 MAR	2003	10:11:46	1	87	0	24.8	55
13 MAR	2003	10:39:26	1	88	0	24.8	71

RWU #283 (43-18B) UT2833-04400



QUESTAR

Questar Exploration and Production Company
Independence Plaza
1050 17th Street, Suite 500
Denver, CO 80265
Tel 303 672 6900 • Fax 303 294 9632

Denver Division

March 18, 2003

Al Craver
(8-ENF-T)
UIC Program
U.S. EPA, Region VIII
999 18th Street, Suite 300
Denver, Colorado 80202-2466

RE: RWU # 17 (41-20B), UIC # UT2810-04346
RWU # 68 (41-13B), UIC # UT02429
RWU # 170 (41-15B), UIC # UT02436
RWU # 283 (43-18B), UIC # UT2833-04346

43-047-32982

Dear Mr. Craver;

Enclosed for the subject wells are MIT results including the Casing or Annulus Pressure test form and the pressure test chart. All MIT's for these wells were regularly scheduled tests.

If you have any questions or need additional information, I can be reached at (303) 308-3052. Thank you for your time in this matter.

Sincerely,

Scott M. Webb
Regulatory Coordinator

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY

CC: Utah Division of Oil Gas and Mining
1594 West North Temple, Suite 1210
P.O. Box 145801
Salt Lake City, Utah 84114-5801
Attn. Gil Hunt

U.S. Department of the Interior
Bureau of Land Management
Vernal District Office
170 South 500 East
Vernal, Utah 84078

QUESTAR

tar Exploration and Production Company
...ependence Plaza
1050 17th Street, Suite 500
Denver, CO 80265
Tel 303 672 6900 • Fax 303 294 9632

Denver Division

May 28, 2003

Division of Oil, Gas, & Mining
1594 West North Temple, Suite 1210
P. O. Box 145801
Salt Lake City, Utah 84114-5801

Attention: John Baza/Jim Thompson

Gentlemen:

This will serve as notice that through the internal corporate changes described below, activities formerly conducted in the name of either Shenandoah Operating Company, LLC (SOC) and/or Shenandoah Energy, Inc. (SEI) will hereafter be conducted in the name of QEP Uinta Basin, Inc.: i) the Shenandoah entities were purchased in July, 2001 by Questar Market Resources, Inc., which is a mid-level holding company for the non-utility businesses of Questar Corporation, ii) Shenandoah Operating Company, LLC has now been merged into Shenandoah Energy, Inc. (SEI), iii) Shenandoah Energy, Inc. has now been re-named **QEP Uinta Basin, Inc.** pursuant to a State of Delaware Amended and Restated Certificate of Incorporation, iv) the same employees will continue to be responsible for operations of the former SOC and SEI properties, both in the field and in the office. Accordingly, the change involves only an internal corporate name change and no third party change of operator is involved. Please alter your records to reflect the entity name change. Attached is a spreadsheet listing all wells affected by this change.

Should you have any questions, please call me at 303 - 308-3056.

Yours truly,

Frank Nielsen
Division Landman

Enclosure

United States Department of the Interior

BUREAU OF LAND MANAGEMENT
Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155

IN REPLY REFER TO
UT-922

June 9, 2003

QEP Uinta Basin, Inc.
1050 17th Street, Suite 500
Denver, Colorado 80265

Re: Red Wash Unit
Uintah County, Utah

Gentlemen:

On May 30, 2003, we received an indenture dated February 1, 2003, whereby Shenandoah Energy, Inc. changed it name and QEP Uinta Basin, Inc. was designated as Successor Unit Operator for the Red Wash Unit, Uintah County, Utah.

This indenture was executed by all required parties and the signatory parties have complied with Sections 5 and 6 of the unit agreement. The instrument is hereby approved effective June 9, 2003. In approving this designation, the Authorized Officer neither warrants nor certifies that the designated party has obtained all required approval that would entitle it to conduct operations under Red Wash Unit Agreement.

Your nationwide (Eastern States) oil and gas bond No. B000024 will be used to cover all operations within the Red Wash Unit.

It is requested that you notify all interested parties of the name change of unit operator. Copies of the approved instruments are being distributed to the appropriate federal offices, with one copy returned herewith.

Sincerely,

/s/ Robert A. Henricks

Robert A. Henricks
Chief, Branch of Fluid Minerals

Enclosure
bcc: Field Manager - Vernal (w/enclosure)
SITLA
Division of Oil, Gas & Mining
Minerals Adjudication Group
File – Red Wash Unit (w/enclosure)
Agr. Sec. Chron
Fluid Chron
UT922:TAThompson:tt:6/9/03

JUL 07 2003

3104 (932.34)WF
Nationwide Bond ESB000024

NOTICE

QEP Uinta Basin, Inc. 1050 17th Street Suite 500 Denver, Colorado 80265	:	Oil and Gas lease

Name Change Recognized

Acceptable evidence has been filed in this office concerning the name change of Shenandoah Energy Incorporated into QEP Uinta Basin, Incorporated. QEP Uinta Basin, Incorporated is the surviving entity. This name change is recognized effective April 17, 2003.

Eastern States will notify the Minerals Management Service and all applicable Bureau of Land Management offices of the change by a copy of this notice.

If you identify other leases in which the merging entity maintain an interest, please contact this office and we will appropriately document those files with a copy of this notice.

If you have any questions, please contact Bill Forbes at 703-440-1536.

S/Wilbert B Forbes

Wilbert B. Forbes
Land Law Examiner
Branch of Use Authorization
Division of Resources Planning,
Use and Protection

bc: JFO,MMS, ES RF, 930 RF, 932.34 RF, E-932: wbf:07 /07/03:440-1536/ QEP Unita Basin
MFO

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

UIC FORM 5

TRANSFER OF AUTHORITY TO INJECT

Well Name and Number	API Number
See Attached List	
Location of Well	**Field or Unit Name**
Footage : County : Uintah	Red Wash
QQ, Section, Township, Range: State : UTAH	**Lease Designation and Number**

EFFECTIVE DATE OF TRANSFER: _____

CURRENT OPERATOR

Company: Shenandoah Energy Inc. Name: John Busch
Address: 11002 East 17500 South Signature: John Busch
city Vernal state UT zip 84078 Title: District Foreman
Phone: (435) 781-4300 Date: 9-02-03
Comments:

NEW OPERATOR

Company: QEP Uinta Basin, Inc. Name: John Busch
Address: 11002 East 17500 South Signature: John Busch
city Vernal state UT zip 84078 Title: District Foreman
Phone: _____ Date: 9-02-03
Comments:

(This space for State use only)

Transfer approved by: _____ Approval Date: 9-10-03
Title: Tech. Services Manager

Comments: Cause #105-01
located in Indian Country, EPA
is primary use agency.

RECEIVED
SEP 04 2003
DIV. OF OIL, GAS & MINING

(5/2000)

well_name	Sec	T	R	api	Entity	Lease Type	type	stat	Field	Footages
RED WASH UNIT 261	17	070S	230E	4304732739	5670	Federal	WI	A	Red Wash	1785 FSL, 1843 FWL
RWU 100-A (43-21A)	21	070S	220E	4304715219	5670	Federal	WI	A	Red Wash	1787 FSL, 534 FEL
RWU 102 (41-24A)	24	070S	220E	4304715221	5670	Federal	WI	A	Red Wash	1360 FNL, 660 FEL
RWU 11	27	070S	230E	4304715142	5670	Federal	WI	A	Red Wash	660 FSL, 2030 FEL
RWU 11-19B	19	070S	230E	4304733552	5670	Federal	WI	A	Red Wash	618 FNL, 477 FWL
RWU 11-20B	20	070S	230E	4304733553	5670	Federal	WI	A	Red Wash	761 FNL, 677 FWL
RWU 11-25A	25	070S	220E	4304733574	5670	Federal	WI	A	Red Wash	1206 FNL, 491 FWL
RWU 11-29B	29	070S	230E	4304733590	5670	Federal	WI	A	Red Wash	786 FNL, 819 FWL
RWU 11-30B	30	070S	230E	4304733785	5670	Federal	WI	A	Red Wash	590 FNL, 787 FWL
RWU 12-24A	24	070S	220E	4304733591	5670	Federal	WI	A	Red Wash	1528 FNL, 930 FWL
RWU 13-19B	19	070S	230E	4304733497	5670	Federal	WI	A	Red Wash	1802 FSL, 374 FWL
RWU 13-20B	20	070S	230E	4304733498	5670	Federal	WI	A	Red Wash	2143' FSL, 704' FWL
RWU 13-25A	25	070S	220E	4304733575	5670	Federal	WI	A	Red Wash	1446 FSL, 664 FWL
RWU 14 (14-13B)	13	070S	230E	4304715144	5670	Federal	WI	A	Red Wash	660 FSL, 660 FWL
RWU 148 (13-22B)	22	070S	230E	4304715261	5670	Federal	WI	A	Red Wash	2073 FSL, 660 FWL
RWU 150 (31-22B)	22	070S	230E	4304715263	5670	Federal	WI	I	Red Wash	595 FNL, 1935 FEL
RWU 156 (23-15B)	15	070S	230E	4304715267	5670	Federal	WI	A	Red Wash	2115 FSL, 1982 FWL
RWU 16 (43-28B)	28	070S	230E	4304716475	5670	Federal	WI	I	Red Wash	1980 FSL, 660 FEL
RWU 161 (14-20B)	20	070S	230E	4304715271	5670	Federal	WI	I	Red Wash	660 FSL, 678 FWL
RWU 17 (41-20B)	20	070S	230E	4304715146	5670	Federal	WI	A	Red Wash	660 FNL, 660 FEL
RWU 170 (41-15B)	15	070S	230E	4304716495	5670	Federal	WI	I	Red Wash	660 FNL, 660 FEL
RWU 173 (21-21B)	21	070S	230E	4304716496	5670	Federal	WI	A	Red Wash	660 FNL, 1980 FWL
RWU 174 (21-20B)	20	070S	230E	4304715281	5670	Federal	WI	A	Red Wash	660 FNL, 1980 FWL
RWU 182 (14-21B)	21	070S	230E	4304716497	5670	Federal	WI	A	Red Wash	629 FSL, 652 FWL
RWU 183 (33-13B)	13	070S	230E	4304715289	5670	Federal	WI	A	Red Wash	1833 FSL, 2027 FEL
RWU 185 (41-1B)	14	070S	230E	4304716498	5670	Federal	WI	A	Red Wash	747 FNL, 660 FEL
RWU 199 (43-22A)	22	070S	220E	4304715301	5670	Federal	WI	A	Red Wash	1980 FSL, 658 FEL
RWU 2 (14-24B)	24	070S	230E	4304716472	5670	Federal	WI	A	Red Wash	735 FSL, 790 FWL
RWU 202 (21-34A)	34	070S	220E	4304715303	5670	Federal	WI	I	Red Wash	660 FNL, 1980 FWL
RWU 213 (41-33B)	33	070S	230E	4304720060	5670	Federal	WD	A	Red Wash	660 FNL, 580 FEL
RWU 215 (43-28A)	28	070S	220E	4304730058	5670	Federal	WI	A	Red Wash	1980' FSL, 661 FEL
RWU 216 (21-27A)	27	070S	220E	4304730103	5670	Federal	WI	A	Red Wash	660 FNL, 1976 FWL
RWU 23 (21-23B)	23	070S	230E	4304715151	5670	Federal	WI	A	Red Wash	695 FNL, 2015 FWL
RWU 23-18C (97)	18	070S	240E	4304715216	5670	Federal	WI	I	Red Wash	1956 FSL, 1699 FWL
RWU 25 (23-23B)	23	070S	230E	4304716476	5670	Federal	WI	A	Red Wash	1980 FSL, 1980 FWL
RWU 258 (34-22A)	22	070S	220E	4304730458	5670	Federal	WI	A	Red Wash	885 FSL, 2025 FEL

RWU 263 (24-26B)	26	070S	230E	4304730518	5670	Federal	WI	I	Red Wash	591 FSL, 2007 FWL
RWU 264 (31-35B)	35	070S	230E	4304730519	5670	Federal	WI	A	Red Wash	687 FNL, 2025 FEL
RWU 266 (33-26B)	26	070S	230E	4304730521	5670	Federal	WI	I	Red Wash	1980 FSL, 1980 FEL
RWU 268 (43-17B)	17	070S	230E	4304732980	5670	Federal	WI	A	Red Wash	1924 FSL, 981 FEL
RWU 269 (13-26B)	26	070S	230E	4304730522	5670	Federal	WI	I	Red Wash	2170' FSL, 670' FWL
RWU 271 (42-35B)	35	070S	230E	4304731081	5670	Federal	WI	I	Red Wash	1979 FNL, 660 FEL
RWU 274 (13-25B)	25	070S	230E	4304731083	5670	Federal	WI		Red Wash	2129 FSL, 659 FWL
RWU 275 (31-26B)	26	070S	230E	4304731077	5670	Federal	WI	A	Red Wash	675 FNL, 1869 FEL
RWU 279 (11-36B)	36	070S	230E	4304731052	5670	Federal	WI	A	Red Wash	659 FNL, 660 FWL
RWU 283 (43-18B)	18	070S	230E	4304732982	5670	Federal	WI	A	Red Wash	1899 FSL, 708 FEL
RWU 31-19B	19	070S	230E	4304733555	5670	Federal	WI	A	Red Wash	601 FNL, 1770 FEL
RWU 31-25A	25	070S	220E	4304733577	5670	Federal	WI	A	Red Wash	1248 FNL, 2159 FEL
RWU 31-30B	30	070S	230E	4304733788	5670	Federal	WI	A	Red Wash	950 FNL, 1943 FEL
RWU 33-19B	19	070S	230E	4304733499	5670	Federal	WI	A	Red Wash	2606 FSL, 1851 FEL
RWU 33-20B	20	070S	230E	4304733500	5670	Federal	WI	A	Red Wash	2210 FSL, 2295 FEL
RWU 33-25A	25	070S	220E	4304733578	5670	Federal	WI	A	Red Wash	1413 FSL, 1809 FEL
RWU 33-30B	30	070S	230E	4304733790	5670	Federal	WI	A	Red Wash	1775 FSL, 1937 FEL
RWU 34 (23-14B)	14	070S	230E	4304715161	5670	Federal	WI	A	Red Wash	1980 FSL, 1980 FWL
RWU 34-13A	13	070S	220E	4304733593	5670	Federal	WI	A	Red Wash	1302 FSL, 1725 FEL
RWU 34-24A	24	070S	220E	4304733568	5670	Federal	WI	A	Red Wash	1295 FSL, 2125 FEL
RWU 48 (32-19B)	19	070S	230E	4304715174	5670	Federal	WI	I	Red Wash	1830 FNL, 1980 FEL
RWU 56 (41-28B)	28	070S	230E	4304715182	5670	Federal	WI	A	Red Wash	660 FNL, 660 FEL
RWU 59 (12-24B)	24	070S	230E	4304716477	5670	Federal	WI	A	Red Wash	1980 FNL, 660 FWL
RWU 6 (41-21B)	21	070S	230E	4304716482	5670	Federal	WI	A	Red Wash	660' FNL, 660 FEL
RWU 61 (12-27A)	27	070S	220E	4304716478	5670	Federal	WI	I	Red Wash	2034 FNL, 689 FWL
RWU 68 (41-13B)	13	070S	230E	4304716485	5670	Federal	WI	I	Red Wash	660 FNL, 660 FEL
RWU 7 (41-27B)	27	070S	230E	4304716473	5670	Federal	WI	I	Red Wash	567 FNL, 621 FEL
RWU 88 (23-18B)	18	070S	230E	4304715210	5670	Federal	WI	A	Red Wash	1980 FSL, 1980 FWL
RWU 91 (33-22B)	22	070S	230E	4304716479	5670	Federal	WI	A	Red Wash	1980 FSL, 3300 FWL
RWU 93 (43-27B)	27	070S	230E	4304716480	5670	Federal	WI	I	Red Wash	660 FSL, 660 FEL
RWU 324 (23-16B)	16	070S	230E	4304733084	5670	State	WI	I	Red Wash	1274 FSL, 1838 FWL

Division of Oil, Gas and Mining

OPERATOR CHANGE WORKSHEET

ROUTING
1. GLH
2. CDW
3. FILE

Change of Operator (Well Sold) — Designation of Agent/Operator

X Operator Name Change — Merger

The operator of the well(s) listed below has changed, effective: **2/1/2003**

FROM: (Old Operator):	**TO:** (New Operator):
N4235-Shenandoah Energy Inc 11002 E 17500 S Vernal, UT 84078-8526 Phone: (435) 781-4341	N2460-QEP Uinta Basin Inc 11002 E 17500 S Vernal, UT 84078-8526 Phone: (435) 781-4341

CA No. **Unit:** **RED WASH UNIT**

WELL(S)

NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS	Confid
RWU 34-13A	13	070S	220E	4304733593	5670	Federal	WI	A	
RWU 34-24A	24	070S	220E	4304733568	5670	Federal	WI	A	
RWU 31-25A	25	070S	220E	4304733577	5670	Federal	WI	A	
RWU 33-25A	25	070S	220E	4304733578	5670	Federal	WI	A	
RWU 61 (12-27A)	27	070S	220E	4304716478	5670	Federal	WI	I	
RWU 34 (23-14B)	14	070S	230E	4304715161	5670	Federal	WI	A	
RWU 283 (43-18B)	18	070S	230E	4304732982	5670	Federal	WI	A	
RWU 31-19B	19	070S	230E	4304733555	5670	Federal	WI	A	
RWU 33-19B	19	070S	230E	4304733499	5670	Federal	WI	A	
RWU 48 (32-19B)	19	070S	230E	4304715174	5670	Federal	WI	I	
RWU 33-20B	20	070S	230E	4304733500	5670	Federal	WI	A	
RWU 6 (41-21B)	21	070S	230E	4304716482	5670	Federal	WI	A	
RWU 59 (12-24B)	24	070S	230E	4304716477	5670	Federal	WI	A	
RWU 269 (13-26B)	26	070S	230E	4304730522	5670	Federal	WI	I	
RWU 275 (31-26B)	26	070S	230E	4304731077	5670	Federal	WI	A	
RWU 56 (41-28B)	28	070S	230E	4304715182	5670	Federal	WI	A	
RWU 31-30B	30	070S	230E	4304733788	5670	Federal	WI	A	
RWU 33-30B	30	070S	230E	4304733790	5670	Federal	WI	A	
RWU 271 (42-35B)	35	070S	230E	4304731081	5670	Federal	WI	I	
RWU 279 (11-36B)	36	070S	230E	4304731052	5670	Federal	WI	A	

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 6/2/2003
2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 6/2/2003
3. The new company was checked on the **Department of Commerce, Division of Corporations Database on:** 6/19/2003
4. Is the new operator registered in the State of Utah: YES Business Number: 5292864-0151
5. If NO, the operator was contacted contacted on: ____

6. (R649-9-2)Waste Management Plan has been received on: IN PLACE

7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: 7/21/2003

8. **Federal and Indian Units:**
The BLM or BIA has approved the successor of unit operator for wells listed on: 7/21/2003

9. **Federal and Indian Communization Agreements ("CA"):**
The BLM or BIA has approved the operator for all wells listed within a CA on: n/a

10. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject,** for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 9/10/2003

DATA ENTRY:

1. Changes entered in the **Oil and Gas Database on:** 9/16/2003
2. Changes have been entered on the **Monthly Operator Change Spread Sheet on:** 9/16/2003
3. Bond information entered in RBDMS on: n/a
4. Fee wells attached to bond in RBDMS on: n/a

STATE WELL(S) BOND VERIFICATION:

1. State well(s) covered by Bond Number: 965-003-032

FEDERAL WELL(S) BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: ESB000024

INDIAN WELL(S) BOND VERIFICATION:

1. Indian well(s) covered by Bond Number: 799446

FEE WELL(S) BOND VERIFICATION:

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number 965-003-033
2. The **FORMER** operator has requested a release of liability from their bond on: n/a
   The Division sent response by letter on: n/a

LEASE INTEREST OWNER NOTIFICATION:

3. (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: n/a

COMMENTS:

Division of Oil, Gas and Mining

OPERATOR CHANGE WORKSHEET

ROUTING
1. DJJ
2. CDW

Change of Operator (Well Sold) **X - Operator Name Change/Merger**

The operator of the well(s) listed below has changed, effective: **1/1/2007**

FROM: (Old Operator):	**TO:** (New Operator):
N2460-QEP Uinta Basin, Inc.	N5085-Questar E&P Company
1050 17th St, Suite 500	1050 17th St, Suite 500
Denver, CO 80265	Denver, CO 80265
Phone: 1 (303) 672-6900	Phone: 1 (303) 672-6900

CA No. **Unit:** **RED WASH UNIT**

WELL NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
SEE ATTACHED LISTS				*				

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 4/19/2007
2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 4/16/2007
3. The new company was checked on the **Department of Commerce, Division of Corporations Database on:** 1/31/2005

4a. Is the new operator registered in the State of Utah: Business Number: 764611-0143

5a. (R649-9-2)Waste Management Plan has been received on: IN PLACE

5b. Inspections of LA PA state/fee well sites complete on: n/a

5c. Reports current for Production/Disposition & Sundries on: n/a

6. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM 4/23/2007 BIA

7. **Federal and Indian Units:**
   The BLM or BIA has approved the successor of unit operator for wells listed on: 4/23/2007

8. **Federal and Indian Communization Agreements ("CA"):**
   The BLM or BIA has approved the operator for all wells listed within a CA on:

9. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject,** for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on:

DATA ENTRY:

1. Changes entered in the **Oil and Gas Database on:** 4/30/2007 and 5/15/2007
2. Changes have been entered on the **Monthly Operator Change Spread Sheet on:** 4/30/2007 and 5/15/2007
3. Bond information entered in RBDMS on: 4/30/2007 and 5/15/2007
4. Fee/State wells attached to bond in RBDMS on: 4/30/2007 and 5/15/2007
5. Injection Projects to new operator in RBDMS on: 4/30/2007 and 5/15/2007
6. Receipt of Acceptance of Drilling Procedures for APD/New on: n/a

BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: ESB000024
2. Indian well(s) covered by Bond Number: 799446

3a. (R649-3-1) The **NEW** operator of any state/fee well(s) listed covered by Bond Number 965003033

3b. The **FORMER** operator has requested a release of liability from their bond on: n/a

LEASE INTEREST OWNER NOTIFICATION:

4. (R649-2-10) The **NEW** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: n/a

COMMENTS: THIS IS A COMPANY NAME CHANGE.
SOME WELL NAMES HAVE BEEN CHANGED AS REQUESTED

QEP Uinta Basin (N2460) to QUESTAR E and P (N5085)
RED WASH UNIT

4/30/2007 and 5/15/2007

Original Well Name	Well Name & No.	Q/Q	SEC	TWP	RNG	API	Entity	Lease	Well Type	Status
RWU 1 (41-26B)	RW 41-26B	NENE	26	070S	230E	4304715135	5670	Federal	OW	TA
RWU 3 (34-23B)	RW 34-23B	SWSE	23	070S	230E	4304715136	5670	Federal	OW	P
RWU 4 (41-22B)	RW 41-22B	NENE	22	070S	230E	4304715137	5670	Federal	OW	TA
RWU 5 (41-23B)	RW 41-23B	NENE	23	070S	230E	4304715138	5670	Federal	OW	P
RWU 8 (32-22B)	RW 32-22B	SWNE	22	070S	230E	4304715139	5670	Federal	OW	P
RWU 9 (43-23B)	RW 43-23B	NESE	23	070S	230E	4304715140	5670	Federal	OW	P
RWU 10 (12-23B)	RW 12-23B	SWNW	23	070S	230E	4304715141	5670	Federal	OW	TA
RWU 11	RW 34-27B	SWSE	27	070S	230E	4304715142	99996	Federal	WI	A
RWU 13 (14-22B)	RW 14-22B	SWSW	22	070S	230E	4304715143	5670	Federal	OW	TA
RW 14-13B	RW 14-13B	SWSW	13	070S	230E	4304715144	99996	Federal	WI	A
RWU 15 (32-17C)	RW 32-17C	SWNE	17	070S	240E	4304715145	5670	Federal	OW	P
RWU 17 (41-20B)	RW 41-20B	NENE	20	070S	230E	4304715146	5670	Federal	WI	A
RWU 19 (34-26B)	RW 34-26B	SWSE	26	070S	230E	4304715148	5670	Federal	GW	S
RWU 21 (32-14B)	RW 32-14B	SWNE	14	070S	230E	4304715150	5670	Federal	OW	P
RWU 23 (21-23B)	RW 21-23B	SENW	23	070S	230E	4304715151	99996	Federal	WI	A
RWU 24 (34-14B)	RW 34-14B	SWSE	14	070S	230E	4304715152	5670	Federal	OW	S
RWU 26 (23-22B)	RW 23-22B	NESW	22	070S	230E	4304715153	5670	Federal	OW	TA
RWU 27 (43-14B)	RW 43-14B	NESE	14	070S	230E	4304715154	5670	Federal	OW	TA
RWU 28 (43-22B)	RW 43-22B	NESE	22	070S	230E	4304715155	5670	Federal	OW	P
RWU 29 (32-23B)	RW 32-23B	SWNE	23	070S	230E	4304715156	5670	Federal	OW	P
RW 23-13B	RW 23-13B	NESW	13	070S	230E	4304715157	5670	Federal	GW	TA
RWU 31 (34-22B)	RW 34-22B	SWSE	22	070S	230E	4304715158	5670	Federal	OW	P
RWU 33 (14-14B)	RW 14-14B	SWSW	14	070S	230E	4304715160	5670	Federal	GW	TA
RWU 34 (23-14B)	RW 23-14B	NESW	14	070S	230E	4304715161	99996	Federal	WI	A
RW 43-13B	RW 43-13B	NESE	13	070S	230E	4304715162	5670	Federal	OW	TA
RWU 36 (32-13B)	RW 32-13B	SWNE	13	070S	230E	4304715163	5670	Federal	GW	P
RWU 38 (14-23B)	RW 14-23B	SWSW	23	070S	230E	4304715165	5670	Federal	OW	P
RWU 39 (14-24A)	RW 14-24A	SWSW	24	070S	220E	4304715166	5670	Federal	OW	TA
RWU 40 (21-24B)	RW 21-24B	NENW	24	070S	230E	4304715167	5670	Federal	OW	TA
RWU 41 (34-13B)	RW 34-13B	SWSE	13	070S	230E	4304715168	5670	Federal	OW	P
RWU 42 (21-29C)	RW 21-29C	NENW	29	070S	240E	4304715169	5670	Federal	GW	P
RWU 43 (12-17B)	RW 12-17B	SWNW	17	070S	230E	4304715170	5670	Federal	OW	P
RWU 44 (32-33C)	RW 32-33C	SWNE	33	070S	240E	4304715171	5670	Federal	GW	P
RWU 45 (23-30B)	RW 23-30B	NESW	30	070S	230E	4304715172	5670	Federal	OW	TA
RWU 46 (41-21C)	RW 41-21C	NENE	21	070S	240E	4304715173	5670	Federal	GW	TA
RWU 48 (32-19B)	RW 32-19B	SWNE	19	070S	230E	4304715174	99996	Federal	WI	I
RWU 49 (12-29B)	RW 12-29B	SWNW	29	070S	230E	4304715175	5670	Federal	OW	TA
RWU 50 (14-23A)	RW 14-23A	SWSW	23	070S	220E	4304715176	5670	Federal	OW	P
RWU 52 (14-18B)	RW 14-18B	SWSW	18	070S	230E	4304715178	5670	Federal	OW	TA
RWU 53 (41-25A)	RW 41-25A	NENE	25	070S	220E	4304715179	5670	Federal	OW	TA
RWU 56 (41-28B)	RW 41-28B	NENE	28	070S	230E	4304715182	99996	Federal	WI	A

QEP Uinta Basin (N2460) to QUESTAR E and P (N5085)
RED WASH UNIT

Original Well Name	Well Name & No.	Q/Q	SEC	TWP	RNG	API	Entity	Lease	Well Type	Status
RWU 57 (12-18C)	RW 12-18C	SWNW	18	070S	240E	4304715183	5670	Federal	OW	P
RWU 63 (21-22B)	RW 21-22B	NENW	22	070S	230E	4304715186	5670	Federal	GW	TA
RWU 64 (32-27B)	RW 32-27B	SWNE	27	070S	230E	4304715187	5670	Federal	OW	TA
RWU 66 (34-18B)	RW 34-18B	SWSE	18	070S	230E	4304715189	5670	Federal	OW	P
RWU 67 (42-22B)	RW 42-22B	SENE	22	070S	230E	4304715190	5670	Federal	OW	TA
RWU 69 (21-27B)	RW 21-27B	NENW	27	070S	230E	4304715191	5670	Federal	OW	TA
RWU 70 (23-22A)	RW 23-22A	NESW	22	070S	220E	4304715192	5670	Federal	OW	P
RWU 71 (21-18C)	RW 21-18C	NENW	18	070S	240E	4304715193	5670	Federal	OW	P
RWU 72 (23-27B)	RW 23-27B	NESW	27	070S	230E	4304715194	5670	Federal	OW	TA
RWU 74 (12-13B)	RW 12-13B	SWNW	13	070S	230E	4304715196	5670	Federal	GW	S
RWU 75 (21-26B)	RW 21-26B	NENW	26	070S	230E	4304715197	5670	Federal	OW	TA
RWU 76 (32-18C)	RW 32-18C	SWNE	18	070S	240E	4304715198	5670	Federal	GW	P
RWU 77 (21-13B)	RWU 77 (21-13B)	NENW	13	070S	230E	4304715199	5670	Federal	OW	P
RWU 78 (32-28B)	RW 32-28B	SWNE	28	070S	230E	4304715200	5670	Federal	OW	P
RWU 79 (12-27B)	RW 12-27B	SWNW	27	070S	230E	4304715201	5670	Federal	OW	TA
RWU 80 (14-27B)	RW 14-27B	SWSW	27	070S	230E	4304715202	5670	Federal	OW	S
RWU 81 (41-31B)	RW 41-31B	NENE	31	070S	230E	4304715203	5670	Federal	OW	P
RWU 83 (41-27A)	RW 41-27A	NENE	27	070S	220E	4304715205	5670	Federal	OW	P
RWU 84 (44-14B)	RW 44-14B	SESE	14	070S	230E	4304715206	5670	Federal	GW	P
RWU 88 (23-18B)	RW 23-18B	NESW	18	070S	230E	4304715210	5670	Federal	WI	A
RWU 90 (43-21B)	RW 43-21B	NESE	21	070S	230E	4304715211	5670	Federal	OW	P
RWU 92 (11-23B)	RW 11-23B	NWNW	23	070S	230E	4304715212	5670	Federal	OW	TA
RWU 94 (12-22A)	RW 12-22A	SWNW	22	070S	220E	4304715213	5670	Federal	OW	P
RWU 23-18C (97)	RW 23-18C	NESW	18	070S	240E	4304715216	99996	Federal	WI	I
RWU 99 (12-22B)	RW 12-22B	SWNW	22	070S	230E	4304715218	5670	Federal	OW	P
RWU 100-A (43-21A)	RW 43-21A	NESE	21	070S	220E	4304715219	5670	Federal	WI	A
RWU 101 (34-21B)	RW 34-21B	SWSE	21	070S	230E	4304715220	5670	Federal	OW	P
RWU 102 (41-24A)	RW 41-24A	SENE	24	070S	220E	4304715221	5670	Federal	WI	A
RWU 103 (34-15B)	RW 34-15B	SWSE	15	070S	230E	4304715222	5670	Federal	OW	P
RWU 108 (32-21B)	RW 32-21B	SWNE	21	070S	230E	4304715226	5670	Federal	OW	P
RWU 109 (21-28B)	RW 21-28B	NENW	28	070S	230E	4304715227	5670	Federal	OW	P
RWU 110 (23-23A)	RW 23-23A	NESW	23	070S	220E	4304715228	5670	Federal	OW	P
RWU 111 (32-24A)	RW 32-24A	SWNE	24	070S	220E	4304715229	5670	Federal	OW	S
RWU 112 (32-28A)	RW 32-28A	SWNE	28	070S	220E	4304715230	5670	Federal	OW	S
RWU 115 (21-19B)	RW 21-19B	NENW	19	070S	230E	4304715233	5670	Federal	OW	P
RWU 119 (43-29A)	RW 43-29A	NESE	29	070S	220E	4304715236	5670	Federal	OW	P
RWU 120 (23-28B)	RW 23-28B	NESW	28	070S	230E	4304715237	5670	Federal	OW	TA
RW 13-13B	RW 13-13B	NWSW	13	070S	230E	4304715238	5670	Federal	GW	P
RWU 122 (24-14B)	RW 24-14B	SESW	14	070S	230E	4304715239	5670	Federal	OW	P
RWU 125 (34-19B)	RW 34-19B	SWSE	19	070S	230E	4304715242	5670	Federal	OW	TA
RWU 126 (41-29A)	RW 41-29A	NENE	29	070S	220E	4304715243	5670	Federal	OW	P

QEP Uinta Basin (N2460) to QUESTAR E and P (N5085)
RED WASH UNIT

Original Well Name	Well Name & No.	Q/Q	SEC	TWP	RNG	API	Entity	Lease	Well Type	Status
RWU 127 (12-19B)	RW 12-19B	SWNW	19	070S	230E	4304715244	5670	Federal	OW	S
RWU 129 (14-15B)	RW 14-15B	SWSW	15	070S	230E	4304715246	5670	Federal	OW	P
RWU 133 (41-34B)	RW 41-34B	NENE	34	070S	230E	4304715250	5670	Federal	OW	P
RWU 136 (43-19B)	RW 43-19B	NESE	19	070S	230E	4304715252	5670	Federal	OW	TA
RWU 137 (34-28B)	RW 34-28B	SWSE	28	070S	230E	4304715253	5670	Federal	GW	TA
RWU 138 (41-30B)	RW 41-30B	NENE	30	070S	230E	4304715254	5670	Federal	OW	P
RWU 140 (24-22B)	RW 24-22B	SESW	22	070S	230E	4304715255	5670	Federal	OW	P
RWU 141 (11-27B)	RW 11-27B	NWNW	27	070S	230E	4304715256	5670	Federal	OW	TA
RWU 143 (33-14B)	RW 33-14B	NWSE	14	070S	230E	4304715257	5670	Federal	OW	P
RWU 144 (21-18B)	RW 21-18B	NENW	18	070S	230E	4304715258	5670	Federal	OW	TA
RW 24-13B	RW 24-13B	SESW	13	070S	230E	4304715259	5670	Federal	OW	TA
RWU 147 (22-22B)	RW 22-22B	SENW	22	070S	230E	4304715260	5670	Federal	OW	TA
RWU 148 (13-22B)	RW 13-22B	NWSW	22	070S	230E	4304715261	99996	Federal	WI	A
RWU 150 (31-22B)	RW 31-22B	NWNE	22	070S	230E	4304715263	99996	Federal	WI	I
RWU 151 (42-14B)	RW 42-14B	SENE	14	070S	230E	4304715264	5670	Federal	OW	P
RWU 153 (14-29B)	RW 14-29B	SWSW	29	070S	230E	4304715265	5670	Federal	OW	P
RWU 156 (23-15B)	RW 23-15B	NESW	15	070S	230E	4304715267	99990	Federal	WI	A
RWU 158 (32-30B)	RW 32-30B	SWNE	30	070S	230E	4304715268	5670	Federal	OW	P
RWU 160 (32-15B)	RW 32-15B	SWNE	15	070S	230E	4304715270	5670	Federal	OW	P
RWU 161 (14-20B)	RW 14-20B	SWSW	20	070S	230E	4304715271	99996	Federal	WI	I
RWU 162 (12-20B)	RW 12-20B	SWNW	20	070S	230E	4304715272	5670	Federal	OW	P
RWU 164 (12-28B)	RW 12-28B	SWNW	28	070S	230E	4304715274	5670	Federal	OW	P
RWU 165 (32-26B)	RW 32-26B	SWNE	26	070S	230E	4304715275	5670	Federal	GW	TA
RWU 167 (23-21B)	RW 23-21B	NESW	21	070S	230E	4304715277	5670	Federal	OW	S
RWU 168 (23-24B)	RW 23-24B	NESW	24	070S	230E	4304715278	5670	Federal	OW	TA
RWU 172 (21-30B)	RW 21-30B	NENW	30	070S	230E	4304715280	5670	Federal	OW	TA
RWU 174 (21-20B)	RW 21-20B	NENW	20	070S	230E	4304715281	5670	Federal	WI	A
RWU 176 (31-28B)	RW 31-28B	NWNE	28	070S	230E	4304715283	5670	Federal	OW	TA
RWU 177 (42-28B)	RW 42-28B	SENE	28	070S	230E	4304715284	5670	Federal	OW	TA
RW 22-13B	RW 22-13B	SENW	13	070S	230E	4304715285	5670	Federal	OW	TA
RWU 180 (31-23B)	RW 31-23B	NWNE	23	070S	230E	4304715287	5670	Federal	OW	TA
RWU 181 (34-30B)	RW 34-30B	SWSE	30	070S	230E	4304715288	5670	Federal	OW	P
RW 33-13B	RW 33-13B	NWSE	13	070S	230E	4304715289	5670	Federal	WI	A
RWU 184 (23-26B)	RW 23-26B	NESW	26	070S	230E	4304715290	5670	Federal	GW	S
RWU 188 (23-20B)	RW 23-20B	NESW	20	070S	230E	4304715291	5670	Federal	OW	TA
RWU 192 (41-33A)	RW 41-33A	NENE	33	070S	220E	4304715294	5670	Federal	OW	P
RWU 193 (43-24B)	RW 43-24B	NESE	24	070S	230E	4304715295	5670	Federal	GW	TA
RWU 194 (12-14B)	RW 12-14B	SWNW	14	070S	230E	4304715296	5670	Federal	OW	S
RWU 196 (23-17C)	RW 23-17C	NESW	17	070S	240E	4304715298	5670	Federal	GW	TA
RWU 199 (43-22A)	RW 43-22A	NESE	22	070S	220E	4304715301	99996	Federal	WI	A
RWU 201 (32-28C)	RW 32-28C	SWNE	28	070S	240E	4304715302	5670	Federal	GW	P

QEP Uinta Basin (N2460) to QUESTAR E and P (N5085)
RED WASH UNIT

Original Well Name	Well Name & No.	Q/Q	SEC	TWP	RNG	API	Entity	Lease	Well Type	Status
RWU 202 (21-34A)	RW 21-34A	NENW	34	070S	220E	4304715303	99996	Federal	WI	I
RWU 204 (23-25A)	RW 23-25A	NESW	25	070S	220E	4304715305	5670	Federal	OW	P
RWU 205 (23-21C)	RW 23-21C	NESW	21	070S	240E	4304715306	5670	Federal	GW	TA
RWU 2 (14-24B)	RW 14-24B	SWSW	24	070S	230E	4304716472	99996	Federal	WI	A
RWU 7 (41-27B)	RW 41-27B	NENE	27	070S	230E	4304716473	99996	Federal	WI	I
RWU 16 (43-28B)	RW 43-28B	NESE	28	070S	230E	4304716475	99996	Federal	WI	I
RWU 25 (23-23B)	RW 23-23B	NESW	23	070S	230E	4304716476	99996	Federal	WI	A
RWU 59 (12-24B)	RW 12-24B	SWNW	24	070S	230E	4304716477	99996	Federal	WI	A
RWU 61 (12-27A)	RW 12-27A	SWNW	27	070S	220E	4304716478	99996	Federal	WI	I
RWU 91 (33-22B)	RW 33-22B	NWSE	22	070S	230E	4304716479	99996	Federal	WI	A
RWU 93 (43-27B)	RW 43-27B	NESE	27	070S	230E	4304716480	99996	Federal	WI	I
RWU 6 (41-21B)	RW 41-21B	NENE	21	070S	230E	4304716482	99996	Federal	WI	A
RWU 68 (41-13B)	RW 41-13B	NENE	13	070S	230E	4304716485	99996	Federal	WI	I
RWU 170 (41-15B)	RW 41-15B	NENE	15	070S	230E	4304716495	99996	Federal	WI	I
RWU 173 (21-21B)	RW 21-21B	NENW	21	070S	230E	4304716496	99996	Federal	WI	A
RWU 182 (14-21B)	RW 14-21B	SWSW	21	070S	230E	4304716497	99996	Federal	WI	A
RWU 185 (41-1B)	RW 41-14B	NENE	14	070S	230E	4304716498	99996	Federal	WI	A
RWU 212 (41-8F)	RW 41-8F	NENE	08	080S	240E	4304720014	5670	Federal	GW	P
RWU 213 (41-33B)	RW 41-33B	NENE	33	070S	230E	4304720060	99996	Federal	WD	A
RWU 215 (43-28A)	RW 43-28A	NESE	28	070S	220E	4304730058	99996	Federal	WD	A
RWU 216 (21-27A)	RW 21-27A	NENW	27	070S	220E	4304730103	99996	Federal	WI	A
RWU 219 (44-21C)	RW 44-21C	SESE	21	070S	240E	4304730149	5670	Federal	GW	S
RWU 220 (22-23B)	RW 22-23B	SENW	23	070S	230E	4304730192	5670	Federal	OW	TA
RWU 221 (13-27B)	RW 13-27B	NWSW	27	070S	230E	4304730199	5670	Federal	OW	TA
RWU 222 (31-27B)	RW 31-27B	NWNE	27	070S	230E	4304730200	5670	Federal	GW	TA
RWU 224 (44-22B)	RW 44-22B	SESE	22	070S	230E	4304730202	5670	Federal	GW	TA
RWU 225 (13-23B)	RW 13-23B	NWSW	23	070S	230E	4304730212	5670	Federal	GW	TA
RWU 226 (24-23B)	RW 24-23B	SESW	23	070S	230E	4304730249	5670	Federal	GW	S
RWU 227 (14-26B)	RW 14-26B	SWSW	26	070S	230E	4304730257	5670	Federal	OW	TA
RWU 228 (21-34B)	RW 21-34B	NENW	34	070S	230E	4304730258	5670	Federal	OW	P
RWU 229 (43-26B)	RW 43-26B	NESE	26	070S	230E	4304730259	5670	Federal	OW	TA
RWU 230 (14-18C)	RW 14-18C	SWSW	18	070S	240E	4304730309	5670	Federal	OW	P
RWU 231 (21-35B)	RW 21-35B	NENW	35	070S	230E	4304730310	5670	Federal	OW	TA
RWU 232 (12-26B)	RW 12-26B	SWNW	26	070S	230E	4304730311	5670	Federal	OW	TA
RWU 233 (12-25B)	RW 12-25B	SWNW	25	070S	230E	4304730312	5670	Federal	OW	TA
RWU 234 (32-24B)	RW 32-24B	SWNE	24	070S	230E	4304730313	5670	Federal	OW	P
RWU 235 (34-18C)	RW 34-18C	SWSE	18	070S	240E	4304730314	5670	Federal	OW	S
RWU 236 (21-19C)	RW 21-19C	NENW	19	070S	240E	4304730340	5670	Federal	GW	P
RWU 237 (14-25B)	RW 14-25B	SWSW	25	070S	230E	4304730341	5670	Federal	OW	P
RWU 238 (32-35B)	RW 32-35B	SWNE	35	070S	230E	4304730342	5670	Federal	OW	TA
RWU 239 (41-35B)	RW 41-35B	NENE	35	070S	230E	4304730343	5670	Federal	OW	TA

QEP Uinta Basin (N2460) to QUESTAR E and P (N5085)
RED WASH UNIT

Original Well Name	Well Name & No.	Q/Q	SEC	TWP	RNG	API	Entity	Lease	Well Type	Status
RWU 240 (12-36B)	RW 12-36B	SWNW	36	070S	230E	4304730344	5670	Federal	OW	S
RWU 241 (22-14B)	RW 22-14B	SENW	14	070S	230E	4304730345	5670	Federal	OW	P
RW 42-13B	RW 42-13B	SENE	13	070S	230E	4304730346	5670	Federal	OW	P
RWU 243 (42-18C)	RW 42-18C	SENE	18	070S	240E	4304730347	5670	Federal	OW	TA
RWU 244 (23-19C)	RW 23-19C	NESW	19	070S	240E	4304730348	5670	Federal	GW	P
RWU 246 (22-18C)	RW 22-18C	SENW	18	070S	240E	4304730387	5670	Federal	OW	P
RWU 247 (22-17C)	RW 22-17C	SENW	17	070S	240E	4304730388	5670	Federal	GW	P
RWU 258 (34-22A)	RW 34-22A	SWSE	22	070S	220E	4304730458	5670	Federal	WI	A
RWU 262 (22-26B)	RW 22-26B	SENW	26	070S	230E	4304730517	5670	Federal	GW	TA
RWU 263 (24-26B)	RW 24-26B	SESW	26	070S	230E	4304730518	99996	Federal	WI	I
RWU 264 (31-35B)	RW 31-35B	NWNE	35	070S	230E	4304730519	99996	Federal	WI	A
RWU 265 (44-26B)	RW 44-26B	SESE	26	070S	230E	4304730520	5670	Federal	GW	P
RWU 266 (33-26B)	RW 33-26B	NWSE	26	070S	230E	4304730521	99996	Federal	WI	I
RWU 269 (13-26B)	RW 13-26B	NWSW	26	070S	230E	4304730522	99996	Federal	WI	A
RWU 273 (42-27B)	RW 42-27B	SENE	27	070S	230E	4304731051	5670	Federal	OW	TA
RWU 279 (11-36B)	RW 11-36B	NWNW	36	070S	230E	4304731052	99996	Federal	WI	A
RWU 276 (44-27B)	RW 44-27B	SESE	27	070S	230E	4304731053	5670	Federal	OW	TA
RWU 272 (44-23B)	RW 44-23B	SESE	23	070S	230E	4304731054	5670	Federal	GW	P
RWU 278 (11-26)	RW 11-26	NWNW	26	070S	230E	4304731076	5670	Federal	GW	TA
RWU 275 (31-26B)	RW 31-26B	NWNE	26	070S	230E	4304731077	99996	Federal	WI	A
RWU 280 (11-35B)	RW 11-35B	NWNW	35	070S	230E	4304731079	5670	Federal	OW	P
RWU 282 (42-26B)	RW 42-26B	SENE	26	070S	230E	4304731080	5670	Federal	GW	TA
RWU 271 (42-35B)	RW 42-35B	SENE	35	070S	230E	4304731081	5670	Federal	WI	I
RWU 270 (22-35B)	RW 22-35B	SENW	35	070S	230E	4304731082	5670	Federal	OW	P
RWU 284 (33-23B)	RW 33-23B	NWSE	23	070S	230E	4304731476	5670	Federal	GW	TA
RWU 285 (11-24B)	RW 11-24B	NWNW	24	070S	230E	4304731477	5670	Federal	OW	P
RWU 286 (42-21B)	RW 42-21B	SENE	21	070S	230E	4304731478	5670	Federal	OW	P
RW 44-13B	RW 44-13B	SESE	13	070S	230E	4304731512	5670	Federal	OW	TA
RWU 288 (24-27)	RW 24-27	SESW	27	070S	230E	4304731513	5670	Federal	OW	TA
RWU 289 (13-24B)	RW 13-24B	NWSW	24	070S	230E	4304731517	5670	Federal	OW	P
RWU 292 (42-23B)	RW 42-23B	SENE	23	070S	230E	4304731576	5670	Federal	GW	TA
RWU 295 (11-22B)	RW 11-22B	NWNW	22	070S	230E	4304731577	5670	Federal	GW	TA
RWU 296 (12-35B)	RW 12-35B	SWNW	35	070S	230E	4304731578	5670	Federal	OW	S
RWU 297 (24-15B)	RW 24-15B	SESW	15	070S	230E	4304731579	5670	Federal	OW	P
RWU 293 (22-22A)	RW 22-22A	SENW	22	070S	220E	4304731581	5670	Federal	OW	TA
RWU 294 (24-18C)	RW 24-18C	SESW	18	070S	240E	4304731582	5670	Federal	GW	P
RWU 298 (22-27B)	RW 22-27B	SENW	27	070S	230E	4304731679	5670	Federal	OW	TA
RWU 301 (43-15B)	RW 43-15B	NESE	15	070S	230E	4304731682	5670	Federal	GW	TA
RWU 302 (22-24B)	RW 22-24B	SENW	24	070S	230E	4304731683	5670	Federal	GW	TA
RWU 303 (34-17B)	RW 34-17B	SWSE	17	070S	230E	4304731819	5670	Federal	OW	P
RED WASH 305 (41-4F)	RW 41-4F	C-NE	04	080S	240E	4304732538	5670	Federal	GW	TA

QEP Uinta Basin (N2460) to QUESTAR E and P (N5085)
RED WASH UNIT

Original Well Name	Well Name & No.	Q/Q	SEC	TWP	RNG	API	Entity	Lease	Well Type	Status
RED WASH 306	RW 23-23C	NESW	23	070S	240E	4304732629	5670	Federal	GW	P
RWU 207	RW 14-17B	SWSW	17	070S	230E	4304732738	5670	Federal	OW	P
RED WASH UNIT 261	RW 23-17B	NESW	17	070S	230E	4304732739	5670	Federal	WI	A
RWU 268 (43-17B)	RW 43-17B	NESE	17	070S	230E	4304732980	5670	Federal	WI	A
RWU 267 (32-17B)	RW 32-17B	SWNE	17	070S	230E	4304732981	5670	Federal	OW	P
RWU 283 (43-18B)	RW 43-18B	NESE	18	070S	230E	4304732982	5670	Federal	WI	A
RWU 299 (32-18B)	RW 32-18B	SWNE	18	070S	230E	4304733018	5670	Federal	OW	P
RWU 42-20B	RW 42-20B	SENE	20	070S	230E	4304733490	5670	Federal	OW	P
RWU 22-20B	RW 22-20B	SENW	20	070S	230E	4304733491	5670	Federal	OW	S
RWU 24-19B	RW 24-19B	SESW	19	070S	230E	4304733492	5670	Federal	OW	P
RWU 13-19B	RW 13-19B	NWSW	19	070S	230E	4304733497	5670	Federal	WI	A
RWU 13-20B	RW 13-20B	NWSW	20	070S	230E	4304733498	5670	Federal	WI	A
RWU 33-19B	RW 33-19B	NWSE	19	070S	230E	4304733499	5670	Federal	WI	A
RWU 33-20B	RW 33-20B	NWSE	20	070S	230E	4304733500	5670	Federal	WI	A
RED WASH 22-21B	RW 22-21B	SENW	21	070S	230E	4304733522	5670	Federal	OW	S
RED WASH 24-20B	RW 24-20B	SESW	20	070S	230E	4304733523	5670	Federal	OW	P
RED WASH 44-19B	RW 44-19B	SESE	19	070S	230E	4304733524	5670	Federal	OW	P
RED WASH 44-20B	RW 44-20B	SESE	20	070S	230E	4304733525	5670	Federal	OW	P
RWU 11-19B	RW 11-19B	NWNW	19	070S	230E	4304733552	5670	Federal	WI	A
RWU 11-20B	RW 11-20B	NWNW	20	070S	230E	4304733553	5670	Federal	WI	A
RWU 24-18B	RW 24-18B	SESW	18	070S	230E	4304733554	5670	Federal	OW	P
RWU 31-19B	RW 31-19B	NWNE	19	070S	230E	4304733555	5670	Federal	WI	A
RWU 42-19B	RW 42-19B	SENE	19	070S	230E	4304733556	5670	Federal	OW	P
RWU 22-19B	RW 22-19B	SENW	19	070S	230E	4304733559	5670	Federal	OW	P
RWU 23-24A	RW 23-24A	NESW	24	070S	220E	4304733567	5670	Federal	OW	P
RWU 34-24A	RW 34-24A	SWSE	24	070S	220E	4304733568	5670	Federal	WI	A
RWU 42-24A	RW 42-24A	SENE	24	070S	220E	4304733569	5670	Federal	OW	S
RWU 11-25A	RW 11-25A	NWNW	25	070S	220E	4304733574	5670	Federal	WI	A
RWU 13-25A	RW 13-25A	NWSW	25	070S	220E	4304733575	5670	Federal	WI	A
RWU 21-25A	RW 21-25A	NENW	25	070S	220E	4304733576	5670	Federal	OW	P
RWU 31-25A	RW 31-25A	NWNE	25	070S	220E	4304733577	5670	Federal	WI	A
RWU 33-25A	RW 33-25A	NWSE	25	070S	220E	4304733578	5670	Federal	WI	A
RW 41-25AX	RW 41-25A	NENE	25	070S	220E	4304733579	5670	Federal	OW	P
RWU 42-25A	RWU 42-25A	SENE	25	070S	220E	4304733580	5670	Federal	OW	TA
RWU 11-29B	RW 11-29B	NWNW	29	070S	230E	4304733590	5670	Federal	WI	A
RWU 12-24A	RW 12-24A	SWNW	24	070S	220E	4304733591	5670	Federal	WI	A
RWU 21-24A	RW 21-24A	NENW	24	070S	220E	4304733592	5670	Federal	OW	P
RWU 34-13A	RW 34-13A	SWSE	13	070S	220E	4304733593	5670	Federal	WI	A
RWU 44-18B	RW 44-18B	SESE	18	070S	230E	4304733594	5670	Federal	OW	P
RW 22-13A	RW 22-13A	SENW	13	070S	220E	4304733765	13296	Federal	OW	S
RWU 22-29B	RW 22-29B	SENW	29	070S	230E	4304733766	5670	Federal	OW	S

QEP Uinta Basin (N2460) to QUESTAR E and P (N5085)
RED WASH UNIT

Original Well Name	Well Name & No.	Q/Q	SEC	TWP	RNG	API	Entity	Lease	Well Type	Status
RWU 41-24A	RW 41-24A	NENE	24	070S	220E	4304733769	5670	Federal	OW	P
RWU 42-30B	RW 42-30B	SENE	30	070S	230E	4304733771	5670	Federal	OW	P
RWU 44-30B	RWU 44-30B	SESE	30	070S	230E	4304733772	5670	Federal	OW	P
RWU 11-30B	RW 11-30B	NWNW	30	070S	230E	4304733785	5670	Federal	WI	A
RWU 22-25A	RW 22-25A	SENW	25	070S	220E	4304733786	5670	Federal	OW	P
RWU 31-30B	RW 31-30B	NWNE	30	070S	230E	4304733788	5670	Federal	WI	A
RWU 33-30B	RW 33-30B	NWSE	30	070S	230E	4304733790	5670	Federal	WI	A
RED WASH U 34-27C	RW 34-27C	SWSE	27	070S	240E	4304735045	5670	Federal	GW	P
RWU 34-22C	RW 34-22C	SWSE	22	070S	240E	4304735098	5670	Federal	GW	P
RW 12G-20C	RW 12G-20C	SWNW	20	070S	240E	4304735239	14011	Federal	GW	S
RW 43G-08F	RW 43G-08F	NESE	08	080S	240E	4304735655		Federal	GW	APD
RW 22G-09F	RW 22G-09F	SENW	09	080S	240E	4304735656	15636	Federal	GW	OPS
RWU 34-23AG	RW 34-23AG	SWSE	23	070S	220E	4304735668	5670	Federal	OW	P
RWU 34-27AG	RWU 34-27AD	SWSE	27	070S	220E	4304735669	5670	Federal	OW	DRL
RWU 32-27AG	RWU 32-27AG	SWNE	27	070S	220E	4304735670	5670	Federal	OW	S
RW 14-34AMU	RW 14-34AMU	SWSW	34	070S	220E	4304735671	14277	Federal	GW	P
RW 12-08FG	RW 12-08FG	SWNW	08	080S	240E	4304736348		Federal	GW	APD
RW 44-08FG	RW 44-08FG	SESE	08	080S	240E	4304736349	15261	Federal	GW	P
RW 12-17FG	RW 12-17FG	SWNW	17	080S	240E	4304736350		Federal	GW	APD
RW 34-34 AMU	RW 34-34 AD	SWSE	34	070S	220E	4304736351		Federal	GW	APD
RW 44-35 AMU	RW 44-35 AMU	SESE	35	070S	220E	4304736352		Federal	GW	APD
RW 14-35 AMU	RW 14-35 AMU	SWSW	35	070S	220E	4304736354		Federal	GW	APD
RW 33-31 BMU	RW 33-31 BD	NWSE	31	070S	230E	4304736357		Federal	GW	APD
RW 13-31 BMU	RW 13-31 BD	NWSW	31	070S	230E	4304736358		Federal	GW	APD
RW 32-15FG	RW 32-15FG	SWNE	15	080S	240E	4304736443		Federal	GW	APD
RW 21-26AG	RW 21-26AD	NENW	26	070S	220E	4304736768		Federal	OW	APD
RW 43-26AG	RW 43-26AG	NESE	26	070S	220E	4304736769		Federal	OW	APD
RW 43-23AG	RW 43-23AG	NESE	23	070S	220E	4304736770		Federal	OW	APD
RW 41-26AG	RW 41-26AG	NENE	26	070S	220E	4304736818		Federal	OW	APD
RW 04-25BG	RW 04-25B	NWSW	25	070S	230E	4304736982		Federal	OW	APD
RW 01-25BG	RW 01-25BG	NWNW	25	070S	230E	4304736983		Federal	OW	APD
RW 04-26BG	RW 04-26BG	SESW	26	070S	230E	4304736984		Federal	OW	APD
RW 01-26BG	RW 01-26BG	SWNW	26	070S	230E	4304736985		Federal	OW	APD
RW 01-35BG	RW 01-35BG	SWNW	35	070S	230E	4304736986		Federal	OW	APD

QEP Uinta Basin (N2460) to QUESTAR E and P (N5085)
RED WASH UNIT

4/30/2007 and 5/15/2007

Original Well Name	Well Name & No.	Q/Q	SEC	TWP	RNG	API	Entity	Lease	Well Type	Status
RWU 51 (12-16B)	RW 12-16B	SWNW	16	070S	230E	4304715177	5670	State	OW	P
RWU ST 189 (41-16B)	RW 41-16B	NENE	16	070S	230E	4304715292	5670	State	OW	S
RED WASH UNIT 259	RW 14-16B	SWSW	16	070S	230E	4304732785	5670	State	OW	P
RED WASH UNIT 260	RW 34-16B	SWSE	16	070S	230E	4304732786	5670	State	OW	P
RWU 324 (23-16B)	RW 23-16B	SESW	16	070S	230E	4304733084	5670	State	WI	OPS
RWU 21W-36A	RWU 21W-36A	NENW	36	070S	220E	4304733730		State	GW	LA
RWU 21G-36A	RWU 21G-36A	NENW	36	070S	220E	4304733731		State	OW	LA
RWU 41-36A	RWU 41-36A	NENE	36	070S	220E	4304733732		State	OW	LA
RWU 43-16B	RWU 43-16B	NESE	16	070S	230E	4304733733		State	OW	LA
RWU 21-16B	RWU 21-16B	NENW	16	070S	230E	4304733734		State	OW	LA
RWU 11-36A	RWU 11-36A	NWNW	36	070S	220E	4304733736		State	OW	LA
RWU 13-36A	RWU 13-36A	NWSW	36	070S	220E	4304733737		State	OW	LA
RW 32G-16C	RW 32G-16C	SWNE	16	070S	240E	4304735238	5670	State	GW	P
RW 14-36AMU	RW 14-36AMU	SWSW	36	070S	220E	4304736721		State	GW	APD
RW 01-36BG	RW 01-36BG	NWNW	36	070S	230E	4304736887	5670	State	OW	S
RW 24-16BG	RW 24-16BG	SESW	16	070S	230E	4304737746	5670	State	OW	DRL
RW 12-32BG	RW 12-32BG	SWNW	32	070S	230E	4304737946	15841	State	GW	DRL

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☐ OTHER	5. LEASE DESIGNATION AND SERIAL NUMBER: see attached
	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: see attached
	7. UNIT or CA AGREEMENT NAME: see attached
	8. WELL NAME and NUMBER: see attached
2. NAME OF OPERATOR: QUESTAR EXPLORATION AND PRODUCTION COMPANY	9. API NUMBER: attached
3. ADDRESS OF OPERATOR: 1050 17th Street Suite 500 CITY Denver STATE CO ZIP 80265 PHONE NUMBER: (303) 308-3068	10. FIELD AND POOL, OR WILDCAT:
4. LOCATION OF WELL FOOTAGES AT SURFACE: attached QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:	COUNTY: Uintah STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☑ NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: 1/1/2007	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARILY ABANDON
	☐ CHANGE TO PREVIOUS PLANS	☐ OPERATOR CHANGE	☐ TUBING REPAIR
	☐ CHANGE TUBING	☐ PLUG AND ABANDON	☐ VENT OR FLARE
☐ SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion:	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☑ OTHER: Operator Name Change
	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Effective January 1, 2007 operator of record, QEP Uinta Basin, Inc., will hereafter be known as QUESTAR EXPLORATION AND PRODUCTION COMPANY. This name change involves only an internal corporate name change and no third party change of operator is involved. The same employees will continue to be responsible for operations of the properties described on the attached list. All operations will continue to be covered by bond numbers:
Federal Bond Number: 965002976 (BLM Reference No. ESB000024)
Utah State Bond Number: 965003033
Fee Land Bond Number: 965003033
Current operator of record, QEP UINTA BASIN, INC., hereby resigns as operator of the properties as described on the attached list.

Jay B. Neese, Executive Vice President, QEP Uinta Basin, Inc.

Successor operator of record, QUESTAR EXPLORATION AND PRODUCTION COMPANY, hereby assumes all rights, duties and obligations as operator of the properties as described on the attached list

Jay B. Neese, Executive Vice President
Questar Exploration and Production Company

NAME (PLEASE PRINT) Debra K. Stanberry TITLE Supervisor, Regulatory Affairs

SIGNATURE DATE 3/16/2007

(This space for State use only)

RECEIVED
APR 19 2007
DIV. OF OIL, GAS & MINING

(5/2000) (See Instructions on Reverse Side)

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5. LEASE DESIGNATION AND SERIAL NUMBER: see attached	
6. IF INDIAN, ALLOTTEE OR TRIBE NAME: see attached	
7. UNIT or CA AGREEMENT NAME: see attached	
1 TYPE OF WELL: OIL WELL ☐ GAS WELL ☐ OTHER	8. WELL NAME and NUMBER: see attached
2. NAME OF OPERATOR: QUESTAR EXPLORATION AND PRODUCTION COMPANY	9. API NUMBER: attached
3 ADDRESS OF OPERATOR: 1050 17th Street Suite 500 CITY Denver STATE CO ZIP 80265	PHONE NUMBER: (303) 308-3068 / 10. FIELD AND POOL, OR WILDCAT:
4. LOCATION OF WELL: FOOTAGES AT SURFACE: attached	COUNTY: Uintah
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:	STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☑ NOTICE OF INTENT (Submit in Duplicate)	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
Approximate date work will start: 1/1/2007	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARILY ABANDON
	☐ CHANGE TO PREVIOUS PLANS	☐ OPERATOR CHANGE	☐ TUBING REPAIR
	☐ CHANGE TUBING	☐ PLUG AND ABANDON	☐ VENT OR FLARE
☐ SUBSEQUENT REPORT (Submit Original Form Only)	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
Date of work completion:	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☑ OTHER: Well Name Changes
	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

PER THE ATTACHED LIST OF WELLS, QUESTAR EXPLORATION AND PRODUCTION COMPANY REQUESTS THAT THE INDIVIDUAL WELL NAMES BE UPDATED IN YOUR RECORDS.

NAME (PLEASE PRINT) Debra K. Stanberry TITLE Supervisor, Regulatory Affairs

SIGNATURE [signature] DATE 4/17/2007

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APR 19 2007
DIV. OF OIL, GAS & MINING

(5/2000) (See Instructions on Reverse Side)

United States Department of the Interior

BUREAU OF LAND MANAGEMENT
Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155

TAKE PRIDE IN AMERICA

IN REPLY REFER TO
3180
UT-922

April 23, 2007

Questar Exploration and Production Company
1050 17th Street, Suite 500
Denver, Colorado 80265

Re: Red Wash Unit
Uintah County, Utah

Gentlemen:

On April 12, 2007, we received an indenture dated April 6, 2007, whereby QEP Uinta Basin, Inc. resigned as Unit Operator and Questar Exploration and Production Company was designated as Successor Unit Operator for the Red Wash Unit, Uintah County, Utah.

This indenture was executed by all required parties and the signatory parties have complied with Sections 5 and 6 of the unit agreement. The instrument is hereby approved effective April 23, 2007. In approving this designation, the Authorized Officer neither warrants nor certifies that the designated party has obtained all required approval that would entitle it to conduct operations under the Red Wash Unit Agreement.

Your nationwide oil and gas bond No. ESB000024 will be used to cover all federal operations within the Red Wash Unit.

It is requested that you notify all interested parties of the change in unit operator. Copies of the approved instruments are being distributed to the appropriate federal offices, with one copy returned herewith.

Sincerely,

/s/ Greg J. Noble

Greg J. Noble
Acting Chief, Branch of Fluid Minerals

Enclosure
bcc: Field Manager - Vernal (w/enclosure)
SITLA
Division of Oil, Gas & Mining
File - Red Wash Unit (w/enclosure)
Agr. Sec. Chron
Reading File
Central Files
UT922:TAThompson:tt:4/23/07

Division of Oil, Gas and Mining

OPERATOR CHANGE WORKSHEET (for state use only)

ROUTING
CDW

Change of Operator (Well Sold) **X - Operator Name Change**

The operator of the well(s) listed below has changed, effective: **6/14/2010**

FROM: (Old Operator):	**TO:** (New Operator):
N5085-Questar Exploration and Production Company 1050 17th St, Suite 500 Denver, CO 80265 Phone: 1 (303) 308-3048	N3700-QEP Energy Company 1050 17th St, Suite 500 Denver, CO 80265 Phone: 1 (303) 308-3048

CA No. **Unit:** **RED WASH**

WELL NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
SEE ATTACHED								

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 6/28/2010
2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 6/28/2010
3. The new company was checked on the **Department of Commerce, Division of Corporations Database on:** 6/24/2010
4a. Is the new operator registered in the State of Utah: Business Number: 764611-0143
5a. (R649-9-2)Waste Management Plan has been received on: Requested
5b. Inspections of LA PA state/fee well sites complete on: n/a
5c. Reports current for Production/Disposition & Sundries on: ok
6. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM 8/16/2010 BIA not yet
7. **Federal and Indian Units:**
   The BLM or BIA has approved the successor of unit operator for wells listed on: 8/16/2010
8. **Federal and Indian Communization Agreements ("CA"):**
   The BLM or BIA has approved the operator for all wells listed within a CA on: N/A
9. **Underground Injection Control ("UIC")** Division has approved UIC Form 5 Transfer of Authority to **Inject,** for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 6/29/2010

DATA ENTRY:

1. Changes entered in the **Oil and Gas Database on:** 6/30/2010
2. Changes have been entered on the **Monthly Operator Change Spread Sheet on:** 6/30/2010
3. Bond information entered in RBDMS on: 6/30/2010
4. Fee/State wells attached to bond in RBDMS on: 6/30/2010
5. Injection Projects to new operator in RBDMS on: 6/30/2010
6. Receipt of Acceptance of Drilling Procedures for APD/New on: n/a

BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: ESB000024
2. Indian well(s) covered by Bond Number: 965010693
3a. (R649-3-1) The **NEW** operator of any state/fee well(s) listed covered by Bond Number 965010695
3b. The **FORMER** operator has requested a release of liability from their bond on: n/a

LEASE INTEREST OWNER NOTIFICATION:

4. (R649-2-10) The **NEW** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: n/a

COMMENTS:

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

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5. LEASE DESIGNATION AND SERIAL NUMBER:	See attached
6. IF INDIAN, ALLOTTEE OR TRIBE NAME:	See attached
7. UNIT or CA AGREEMENT NAME:	See attached
8. WELL NAME and NUMBER:	See attached
9. API NUMBER:	Attached
10. FIELD AND POOL, OR WILDCAT:	See attached

1 TYPE OF WELL: OIL WELL ☐ GAS WELL ☐ OTHER

2 NAME OF OPERATOR: Questar Exploration and Production Company N5085

3. ADDRESS OF OPERATOR: 1050 17th Street, Suite 500 CITY Denver STATE CO ZIP 80265 PHONE NUMBER: (303) 672-6900

4. LOCATION OF WELL

FOOTAGES AT SURFACE: See attached COUNTY: Attached

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: STATE: UTAH

11 CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☑ NOTICE OF INTENT (Submit in Duplicate)	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
Approximate date work will start: 6/14/2010	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARILY ABANDON
	☐ CHANGE TO PREVIOUS PLANS	☐ OPERATOR CHANGE	☐ TUBING REPAIR
	☐ CHANGE TUBING	☐ PLUG AND ABANDON	☐ VENT OR FLARE
☐ SUBSEQUENT REPORT (Submit Original Form Only)	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
Date of work completion:	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☑ OTHER: Operator Name Change
	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

12 DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Effective June 14, 2010 Questar Exploration and Production Company changed its name to QEP Energy Company. This name change involves only an internal corporate name change and no third party change of operator is involved. The same employees will continue to be responsible for operations of the properties described on the attached list. All operations will continue to be covered by bond numbers:
Federal Bond Number: 965002976 (BLM Reference No. ESB000024) N3700
Utah State Bond Number: ~~965003033~~ 965010695
Fee Land Bond Number: ~~965003033~~
BIA Bond Number: ~~799446~~ 965010693

The attached document is an all inclusive list of the wells operated by Questar Exploration and Production Company. As of June 14, 2010 QEP Energy Company assumes all rights, duties and obligations as operator of the properties as described on the list

NAME (PLEASE PRINT) Morgan Anderson TITLE Regulatory Affairs Analyst

SIGNATURE Morgan Anderson DATE 6/23/2010

(This space for State use only)

RECEIVED
JUN 2 8 2010
DIV. OF OIL, GAS & MINING

APPROVED 6/30/2009
Earlene Russell
Division of Oil, Gas and Mining
Earlene Russell, Engineering Technician

(5/2000) (See Instructions on Reverse Side)

Questar Exploration Production Company (N5085) to QEP Energy Company (N3700)
RED WASH
effective June 14, 2010

well_name	sec	twp	rng	api	entity	mineral lease	type	stat	C
RW 41-33B	33	070S	230E	4304720060	5670	Federal	WD	A	
RW 43-28A	28	070S	220E	4304730058	5670	Federal	WD	A	
RW 34-27B	27	070S	230E	4304715142	5670	Federal	WI	A	
RW 14-13B	13	070S	230E	4304715144	5670	Federal	WI	A	
RW 41-20B	20	070S	230E	4304715146	5670	Federal	WI	A	
RW 21-23B	23	070S	230E	4304715151	5670	Federal	WI	A	
RW 23-14B	14	070S	230E	4304715161	5670	Federal	WI	A	
RW 41-28B	28	070S	230E	4304715182	5670	Federal	WI	A	
RW 23-18B	18	070S	230E	4304715210	5670	Federal	WI	A	
RW 43-21A	21	070S	220E	4304715219	5670	Federal	WI	A	
RW 41-24A	24	070S	220E	4304715221	5670	Federal	WI	A	
RW 13-22B	22	070S	230E	4304715261	5670	Federal	WI	A	
RW 23-15B	15	070S	230E	4304715267	5670	Federal	WI	A	
RW 21-20B	20	070S	230E	4304715281	5670	Federal	WI	A	
RW 33-13B	13	070S	230E	4304715289	5670	Federal	WI	A	
RW 21-34A	34	070S	220E	4304715303	5670	Federal	WI	I	
RW 14-24B	24	070S	230E	4304716472	5670	Federal	WI	A	
RW 41-27B	27	070S	230E	4304716473	5670	Federal	WI	I	
RW 43-28B	28	070S	230E	4304716475	5670	Federal	WI	S	
RW 23-23B	23	070S	230E	4304716476	5670	Federal	WI	A	
RW 12-24B	24	070S	230E	4304716477	5670	Federal	WI	A	
RW 33-22B	22	070S	230E	4304716479	5670	Federal	WI	A	
RW 41-21B	21	070S	230E	4304716482	5670	Federal	WI	A	
RW 41-15B	15	070S	230E	4304716495	5670	Federal	WI	I	
RW 21-21B	21	070S	230E	4304716496	5670	Federal	WI	A	
RW 14-21B	21	070S	230E	4304716497	5670	Federal	WI	A	
RW 41-14B	14	070S	230E	4304716498	5670	Federal	WI	A	
RW 21-27A	27	070S	220E	4304730103	5670	Federal	WI	A	
RW 34-22A	22	070S	220E	4304730458	5670	Federal	WI	A	
RW 24-26B	26	070S	230E	4304730518	5670	Federal	WI	I	
RW 31-35B	35	070S	230E	4304730519	5670	Federal	WI	A	
RW 33-26B	26	070S	230E	4304730521	5670	Federal	WI	I	
RW 13-26B	26	070S	230E	4304730522	5670	Federal	WI	A	
RW 11-36B	36	070S	230E	4304731052	5670	Federal	WI	A	
RW 31-26B	26	070S	230E	4304731077	5670	Federal	WI	A	
RW 42-35B	35	070S	230E	4304731081	5670	Federal	WI	I	
RW 23-17B	17	070S	230E	4304732739	5670	Federal	WI	A	
RW 43-17B	17	070S	230E	4304732980	5670	Federal	WI	A	
RW 43-18B	18	070S	230E	4304732982	5670	Federal	WI	A	
RW 13-19B	19	070S	230E	4304733497	5670	Federal	WI	A	
RW 13-20B	20	070S	230E	4304733498	5670	Federal	WI	A	
RW 33-19B	19	070S	230E	4304733499	5670	Federal	WI	A	
RW 33-20B	20	070S	230E	4304733500	5670	Federal	WI	A	
RW 11-19B	19	070S	230E	4304733552	5670	Federal	WI	A	

Bonds: BLM = ESB000024
BIA = 956010693
State = 965010695

Questar Exploration Production Company (N5085) to QEP Energy Company (N3700)
RED WASH
effective June 14, 2010

well_name	sec	twp	rng	api	entity	mineral lease	type	stat	C
RW 11-20B	20	070S	230E	4304733553	5670	Federal	WI	A	
RW 31-19B	19	070S	230E	4304733555	5670	Federal	WI	A	
RW 34-24A	24	070S	220E	4304733568	5670	Federal	WI	A	
RW 11-25A	25	070S	220E	4304733574	5670	Federal	WI	A	
RW 13-25A	25	070S	220E	4304733575	5670	Federal	WI	A	
RW 31-25A	25	070S	220E	4304733577	5670	Federal	WI	A	
RW 33-25A	25	070S	220E	4304733578	5670	Federal	WI	TA	
RW 11-29B	29	070S	230E	4304733590	5670	Federal	WI	A	
RW 12-24A	24	070S	220E	4304733591	5670	Federal	WI	A	
RW 34-13A	13	070S	220E	4304733593	5670	Federal	WI	A	
RW 11-30B	30	070S	230E	4304733785	5670	Federal	WI	A	
RW 31-30B	30	070S	230E	4304733788	5670	Federal	WI	A	
RW 33-30B	30	070S	230E	4304733790	5670	Federal	WI	A	

Bonds: BLM = ESB000024
BIA = 956010693
State = 965010695

United States Department of the Interior

BUREAU OF LAND MANAGEMENT
Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155
http://www.blm.gov/ut/st/en.html

IN REPLY REFER TO:
3100
(UT-922)

JUL 28 2010

Memorandum

To: Vernal Field Office, Price Field Office, Moab Field Office

From: Chief, Branch of Minerals Roger L Bankert

Subject: Name Change Recognized

Attached is a copy of the Certificate of Name Change issued by the Texas Secretary of State and a decision letter recognizing the name change from the Eastern States Office. We have updated our records to reflect the name change in the attached list of leases.

The name change from **Questar Exploration and Production Company** into **QEP Energy Company** is effective June 8, 2010.

cc: MMS
UDOGM

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

UIC FORM 5

TRANSFER OF AUTHORITY TO INJECT

Well Name and Number	API Number
See Attached List	Attached
Location of Well	Field or Unit Name
Footage : Attached	Attached
County :	Lease Designation and Number
QQ, Section, Township, Range:	State : UTAH — Attached

EFFECTIVE DATE OF TRANSFER: 6/14/2010

CURRENT OPERATOR

Company: Questar Exploration and Production Company
Address: 1050 17th Street, Suite 500
city Denver state CO zip 80265
Phone: (303) 672-6900
Comments:

Name: Ann Petrik
Signature:
Title: Engineering Analyst
Date: 6/28/2010

NEW OPERATOR

Company: QEP Energy Company
Address: 1050 17th Street, Suite 500
city Denver state CO zip 80265
Phone: (303) 672-6900
Comments:

Name: Ann Petrik
Signature:
Title: Engineering Analyst
Date: 6/28/2010

(This space for State use only)

Transfer approved by:
Title:
Approval Date:

Comments:

Accepted by the
Utah Division of
Oil, Gas and Mining
Date: 6/29/10
By: D. James

EPA approved well

(5/2000)

RECEIVED
JUN 2 8 2010
DIV. OF OIL, GAS & MINING